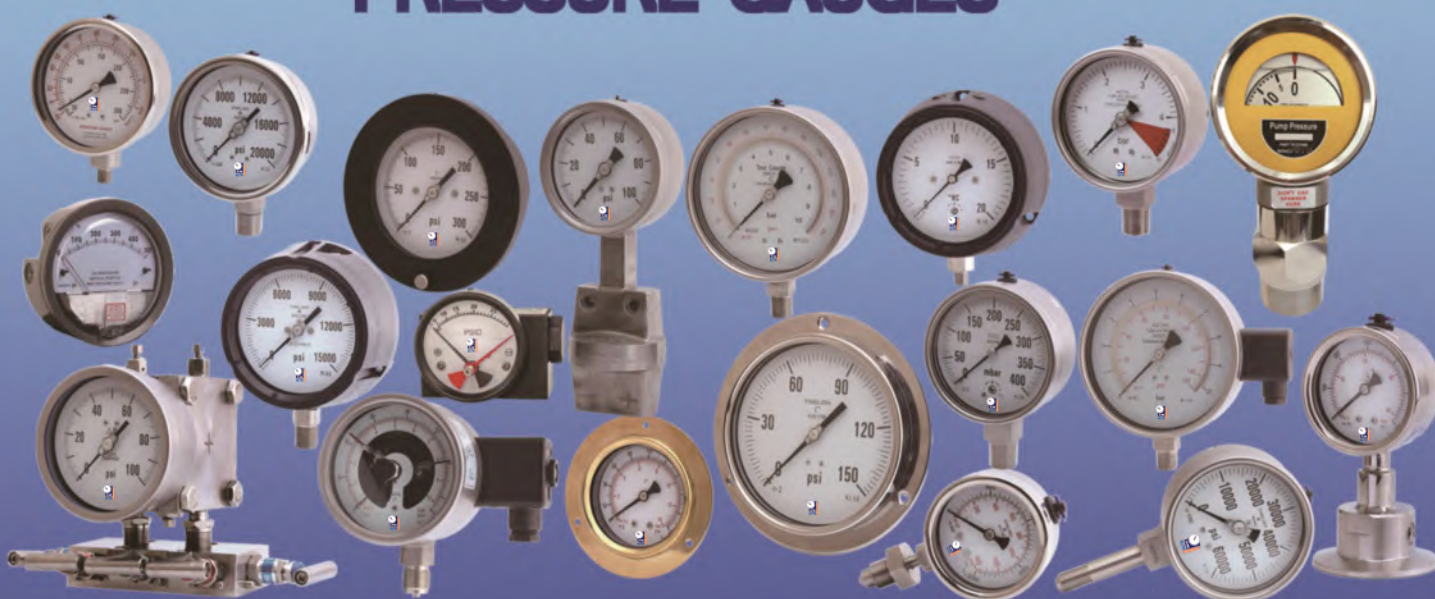




ACCURATE MEASURING

PRESSURE GAUGES



ISO 9001 COMPANY

PRESSURE GAUGE | THERMOMETER | DIAPHRAGM SEAL | ACCESSORIES

www.amieliteinstruments.com



PRESSURE GAUGES

**ALL OPTIONS -NO EXTRA COST
EVERYTHING STANDARD**

Ranges
available up
to 60,000 psi



ATEX APPROVED
AS PER 2014/34/EU

Bourdon Tube & Socket - SS 316L, NACE MR 0175
Bourdon Tube - Seamless Tube
Tig Welding - Approved by TUV
Leak Testing - Helium Leak Tested
Movement - Silicone Jelly Movement
Dial - White Aluminum
Window - Safety Glass
Gasket - NBR
Blow Out Disc - Temperature Compensated
IP Protection - IP 66

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SPECIAL FEATURES

Economical Version
General Purpose Applications
Standard Followed: ASME-B.40.1/EN837-1

SPECIFICATIONS

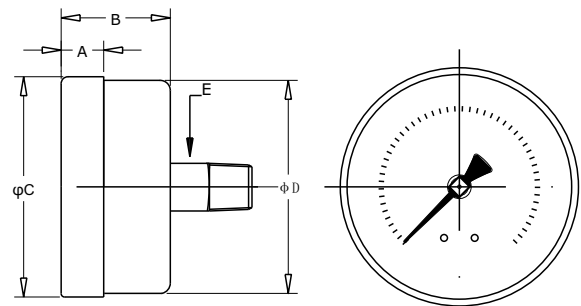
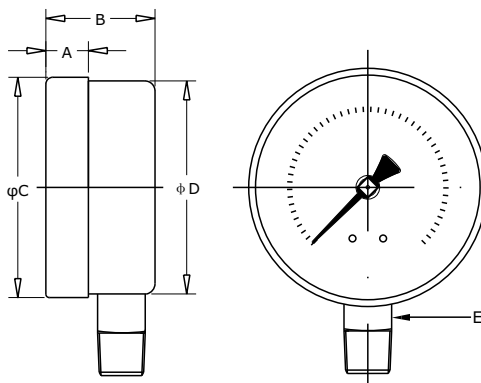
Ambient Temperature: -4°F(-20°C) to +150°F(+65°C)
Process Temperature: Max. 250°F(120°C)
Operating Pressure Range: 75% of Scale Value
Over Pressure Limit: 120% of Max. Scale Value
Case: Steel, Powder Coated
Joints: Alloy Brazing/Soldering
Socket: Copper Alloy
Bourdon: Copper Alloy
Movement: Copper Alloy
Dial: Aluminum
Pointer: Fixed
Window: Sheet Glass
Ranges: Vacuum to 6000psi



ACCURACY AS PER ASME B.40.1/EN837-1

1.5"/2" : 3-2-3 (Grade B)
2.5"/3"/4" : 2-1-2 (Grade A)

*Please consult factory for better accuracy availability.



NS	A	B	φC	φD	E	Weight (lbs)
1.5"	0.4"	1.0"	1.5"	1.5"	0.4"	0.18
2"	0.4"	1.1"	2.0"	2.0"	0.6"	0.22
2.5"	0.4"	1.1"	2.5"	2.5"	0.6"	0.29
3"	0.5"	1.3"	3.0"	3.0"	0.7"	0.62
4"	0.9"	1.5"	4.0"	4.0"	0.9"	0.82
6"	0.8"	1.87"	6.3"	6.2"	0.87"	2.20
10"	0.68"	2"	9.84"	9.74"	0.87"	3.50

NS	A	B	φC	φD	E	Weight (lbs)
1.5"	0.4"	1.1"	1.5"	1.5"	0.4"	0.18
2"	0.4"	1.1"	2.0"	2.0"	0.6"	0.22
2.5"	0.4"	1.1"	2.5"	2.5"	0.6"	0.29
3"	0.5"	1.3"	3.0"	3.0"	0.7"	0.62
4"	0.9"	1.5"	4.0"	4.0"	0.9"	0.82

HOW TO ORDER

NOMINAL SIZE

B	C	D	E	F	H	J
1.5"	2"	2.5"	3"	4"	6"	10"

X

TYPE OF MOUNTING

- 1 WALL/SURFACE/PROJECTION MOUNTING WITH BOTTOM
- 2 BOTTOM
- 4 CENTER BACK
- 7 CENTER BACK WITH FRONT FLANGE
- 8 CENTER BACK WITH MOUNTING BRACKET

X

GAUGE CONNECTION

- 1BM** 1/8"BSP(M)
- 1NM** 1/8"NPT(M)
- 1TM** 1/8"BSPT(M)
- 2BM** 1/4"BSP(M)
- 2NM** 1/4"NPT(M)
- 2TM** 1/4"BSPT(M)
- 3BM** 3/8"BSP(M)
- 3NM** 3/8"NPT(M)
- 3TM** 3/8"BSPT(M)
- 4BM** 1/2"BSP(M)
- 4NM** 1/2"NPT(M)
- 4TM** 1/2"BSPT(M)
- 4MM** M20 X 1.5(M)

***Please consult factory for any special connections

XXX

RANGE

CODE	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13
RANGE (psi)	-30"hg	-30"hg-15	-30"hg-30	-30"hg-60	-30"hg-100	-30"hg-160	-30"hg-200	-30"hg-300	15	30	60	100	160
CODE	E14	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24	E25	E26
RANGE (psi)	200	300	400	500	600	800	1000	1500	2000	3000	4000	5000	6000

E13

OPTIONAL EXTRAS

- SG** OXYGEN SERVICE (FOR DRY VERSION)
- SF** MOVEMENT WITH DAMPENING JELLY
- RH** CUSTOM DESIGNED DIAL
- ZB** RECEIVER RANGE
- ZC** FREON RANGE (WITH TEMPERATURE SCALE)
- ZD** AMMONIA RANGE (WITH TEMPERATURE SCALE)
- SW** DIAL TAG MARKING
- RW** PLEXI GLASS
- RZ** TOUGHENED GLASS
- SY** AISI 316SS TAG PLATE
- SJ** MAXIMUM READING POINTER WITH PLEXI GLASS (FOR DRY VERSION)
- ZM** ELECTRO POLISHED CASE & BEZEL
- CK** EPOXY PAINTED CASE & BEZEL
- SQ** CASE WITH ROLLING TYPE BEZEL
- FK** INTEGRAL DAMPENING SCREW (BRASS)
- GH** MATERIAL TEST CERTIFICATES
- PW** FIVE POINT CALIBRATION CERTIFICATE NATIONAL/ INTERNATIONAL STANDARDS

XX

Ordering Example: P-01-X-X-XXX-(E13)-XX

ABS CASE UTILITY GAUGES

SPECIAL FEATURES

Economical Version
General Purpose Applications
Standard Followed: ASME-B.40.1/EN837-1

SPECIFICATIONS

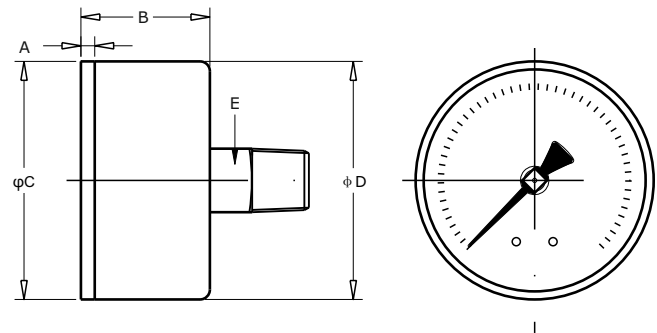
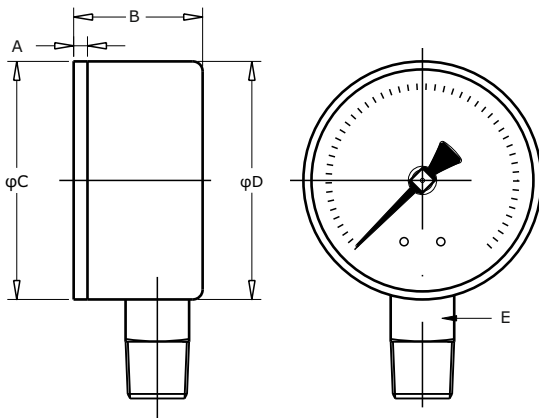
Ambient Temperature: -4°F(-20°C) to +150°F(+65°C)
Process Temperature: Max. 250°F(120°C)
Operating Pressure Range: 75% of scale Value
Over Pressure Limit: 120% of Max. scale Value
Case: ABS Plastic Case
Joints: Alloy Brazing/Soldering
Socket: Copper Alloy
Bourdon: Copper Alloy
Movement: Copper Alloy
Dial: Aluminum
Pointer: Fixed
Window: Snap-in Plastic Lens
Ranges: Vacuum to 1500psi



ACCURACY AS PER ASME B.40.1/EN837-1

1.5"/2" : 3-2-3 (Grade B)
2.5"/3"/4" : 2-1-2 (Grade A)

*Please consult factory for better accuracy availability.



NS	A	B	φC	φD	E	Weight (lbs)
1.5"	0.1"	1.0"	1.6"	1.6"	0.43"	0.18
2"	0.1"	1.1"	2.1"	2.1"	0.55"	0.22
2.5"	0.1"	1.1"	2.4"	2.4"	0.55"	0.29
4"	0.14"	1.2"	3.9"	3.9"	0.55"	0.82

NS	A	B	φC	φD	E	Weight (lbs)
1.5"	0.1"	1.0"	1.6"	1.6"	0.43"	0.18
2"	0.1"	1.1"	2.1"	2.1"	0.55"	0.22
2.5"	0.1"	1.1"	2.4"	2.4"	0.55"	0.29
3"	0.14"	1.2"	3.9"	3.9"	0.55"	0.82

HOW TO ORDER

NOMINAL SIZE

B	C	D	E	F
1.5"	2"	2.5"	3"	4"

X

TYPE OF MOUNTING

- 2 BOTTOM
- 4 CENTER BACK

X

GAUGE CONNECTION

- 1BM** 1/8"BSP(M)
- 1NM** 1/8"NPT(M)
- 1TM** 1/8"BSPT(M)
- 2BM** 1/4"BSP(M)
- 2NM** 1/4"NPT(M)
- 2TM** 1/4"BSPT(M)
- 3BM** 3/8"BSP(M)
- 3NM** 3/8"NPT(M)
- 3TM** 3/8"BSPT(M)
- 4BM** 1/2"BSP(M)
- 4NM** 1/2"NPT(M)
- 4TM** 1/2"BSPT(M)
- 4MM** M20 X 1.5(M)

XXX

***Please consult factory for any special connections

RANGE

CODE	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11
RANGE (psi)	-30"hg	-30"hg-15	-30"hg-30	-30"hg-60	-30"hg-100	-30"hg-160	-30"hg-200	-30"hg-300	15	30	60
CODE	E12	E13	E14	E15	E16	E17	E18	E19	E20	E21	
RANGE (psi)	100	160	200	300	400	500	600	800	1000	1500	

E13

OPTIONAL EXTRAS

- | | |
|--|--|
| SG OXYGEN SERVICE (FOR DRY VERSION) | RW PLEXI GLASS |
| SF MOVEMENT WITH DAMPENING JELLY | RZ TOUGHENED GLASS |
| RH CUSTOM DESIGNED DIAL | SJ MAXIMUM READING POINTER WITH PLEXI GLASS (FOR DRY VERSION) |
| ZB RECEIVER RANGE | FK INTEGRAL DAMPENING SCREW (BRASS) |
| ZC FREON RANGE (WITH TEMPERATURE SCALE) | GH MATERIAL TEST CERTIFICATES |
| ZD AMMONIA RANGE (WITH TEMPERATURE SCALE) | PW FIVE POINT CALIBRATION CERTIFICATE NATIONAL/ INTERNATIONAL STANDARDS |
| SW DIAL TAG MARKING | |
| SY AISI 316SS TAG PLATE | |

XX

Ordering Example: P-02-X-X-XXX-(E13)-XX

SPECIAL FEATURES

Aluminum solid front case
Blow out back
Standard followed ASME-B.40.1
SS 316L Socket & Bourdon
Helium Leak Tested
Built in Stabilizer Movement
Ready For Oxygen Use
Internal Vacuum /Over Pressure Stop
IP 55

SPECIFICATIONS

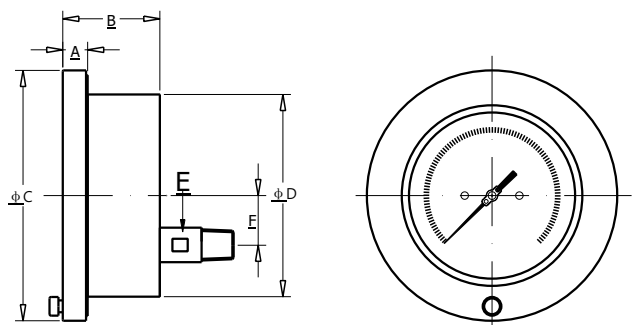
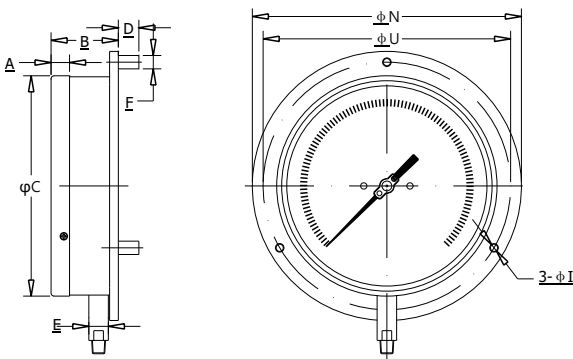
Ambient Temperature: $-4^{\circ}\text{F}(-20^{\circ}\text{C})$ To $150^{\circ}\text{F} (+65^{\circ}\text{C})$
Process Temperature: Max. $392^{\circ}\text{F}(200^{\circ}\text{C})$
Operating Pressure Range: 75% of scale value
Over Pressure Limit: 125% of Max. scale value
Case: Aluminum
Joints: Tig Argon Arc Welding
Socket: AISI 316L
Bourdon: AISI 316L
Movement: AISI 304
Dial: Aluminum
Pointer: Micro Zero Adjustable
Window: PC lens
Ranges: Vacuum to 10,000psi



ACCURACY AS PER ASME B.40.1/EN837-1

4.5"/6"/8.5" : 0.5 (Grade 2A)
8.5" : 1-1-1 (Grade 1A)

*Please consult factory for better accuracy availability.



NS	A	B	φC	D	F	φN	φU	φI	E	Weight (lbs)
8.5"	0.85"	2.4"	8.5"	0.8"	0.5"	10.3"	9.4"	0.25"	0.75"	5.07

NS	A	B	φC	φD	E	F	Weight (lbs)
4.5"	0.6"	2.4"	6.1"	5.0"	0.8"	1.2"	1.43
6"	0.7"	2.7"	7.6"	5.0"	0.8"	1.2"	2.25

HOW TO ORDER

NOMINAL SIZE

G	H	I
4.5"	6"	8.5"

Example

X

TYPE OF MOUNTING

- 2 BOTTOM
- 5 LOWER BACK WITH FRONT FLANGE

X

GAUGE CONNECTION

- 2BM** 1/4"BSP(M)
- 2NM** 1/4"NPT(M)
- 2TM** 1/4"BSPT(M)
- 3BM** 3/8"BSP(M)
- 3NM** 3/8"NPT(M)
- 3TM** 3/8"BSPT(M)
- 4BM** 1/2"BSP(M)
- 4NM** 1/2"NPT(M)
- 4TM** 1/2"BSPT(M)
- 4MM** M20 X 1.5(M)

***Please consult factory for any special connections

XXX

RANGE

CODE	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14
RANGE (psi)	-30"hg	-30"hg-15	-30"hg-30	-30"hg-60	-30"hg-100	-30"hg-160	-30"hg-200	-30"hg-300	15	30	60	100	160	200
CODE	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24	E25	E26	E27	E28
RANGE (psi)	300	400	500	600	800	1000	1500	2000	3000	4000	5000	6000	7500	10,000

E13

OPTIONAL EXTRAS

- | | |
|---|---|
| <ul style="list-style-type: none"> SG OXYGEN SERVICE (FOR DRY VERSION) OA ACCURACY + 0.5% OF F.S.
(Dry version & Maximum Reading Pointer) TI MONEL BOURDON & SOCKET (MONEL VERSION) TF TESTED TO NACE STANDARD TB HELIUM LEAK TEST SD AISI 316 SS MOVEMENT SF MOVEMENT WITH DAMPENING JELLY SI KNIFE EDGE POINTER RG ANTI PARALLAX MIRROR BAND DIAL RH CUSTOM DESIGNED DIAL ZB RECEIVER RANGE ZC FREON RANGE (WITH TEMPERATURE SCALE) ZD AMMONIA RANGE (WITH TEMPERATURE SCALE) SW DIAL TAG MARKING SY AISI 316SS TAG PLATE | <ul style="list-style-type: none"> RW PLEXI GLASS RZ TOUGHENED GLASS SJ MAXIMUM READING POINTER WITH PLEXI GLASS FOR DRY VERSION CK EPOXY PAINTED CASE & BEZEL SX SS TAG PLATE SA INTERNAL OVERPRESSURE STOP SB INTERNAL VACUUM STOP ZL OVER RANGE PROTECTION QB INTEGRAL DAMPENING SCREW (AISI 316 SS) FL INTEGRAL DAMPENING SCREW (MONEL) GH MATERIAL TEST CERTIFICATES PW FIVE POINT CALIBRATION CERTIFICATE NATIONAL/ INTERNATIONAL STANDARDS |
|---|---|

XX

Ordering Example: P-03-X-X-XXX-(E13)-XX

SPECIAL FEATURES

Stainless Steel Case Welded to socket
 Dry or liquid filled version
 Standard followed ASME-B.40.1/EN837-1
 Helium Leak Tested
 Built in Stabilizer Movement
 Ready For Oxygen Use
 Internal Vacuum /Over Pressure Stops
 IP 66

SPECIFICATIONS

Ambient Temperature: -4°F(-20°C)to+150°F(+65°C)
 Process Temperature: Max. 392°F(200°C)
 Operating Pressure Range: 75% of scale value
 Over Pressure Limit: 125% of Max. scale Value
 Case & Bezel: SS304 Crimped
 Joints: Tig Argon Arc Welding
 Protection: IP 66
 Gasket: NBR
 Socket: AISI 316L

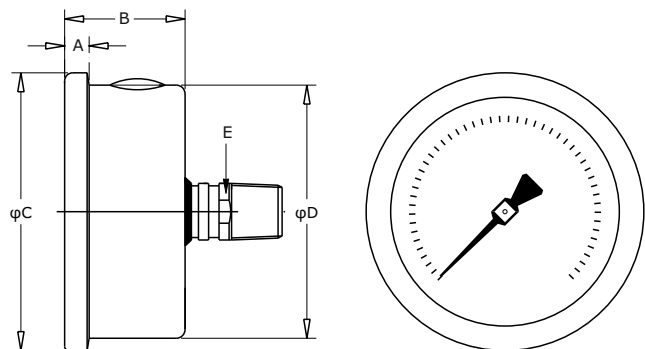
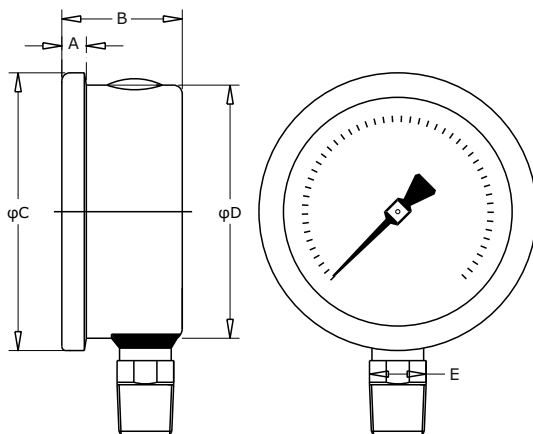


Bourdon: AISI 316L
 Movement: AISI 304
 Dial: Aluminum
 Pointer: Fixed
 Window: PC Lens
 Gasket: NBR
 Ranges: Vacuum to 10,000psi

ACCURACY AS PER ASME B.40.1/EN837-1

1.5"/2" : 3-2-3 (Grade B)
 2.5"/3"/4" : 2-1-2 (Grade A)

*Please consult factory for better accuracy availability.



NS	A	B	φC	φD	E	Weight (lbs)
1.5"	0.2"	1.0"	1.8"	1.6"	0.43"	0.18
2"	0.2"	1.2"	2.2"	2.0"	0.55"	0.26
2.5"	0.3"	1.2"	2.7"	2.4"	0.55"	0.40
3"	0.3"	1.4"	3.4"	3.1"	0.67"	0.73
4"	0.3"	1.9"	4.3"	3.9"	0.87"	1.32

NS	A	B	φC	φD	E	Weight (lbs)
1.5"	0.2"	1.0"	1.8"	1.6"	0.43"	0.18
2"	0.2"	1.2"	2.2"	2.0"	0.55"	0.26
2.5"	0.3"	1.2"	2.7"	2.4"	0.55"	0.40
3"	0.3"	1.4"	3.4"	3.1"	0.67"	0.73

HOW TO ORDER

Example

NOMINAL SIZE

B	C	D	E	F
1.5"	2"	2.5"	3"	4"

TYPE OF MOUNTING

- 1 WALL/SURFACE/PROJECTION MOUNTING WITH BOTTOM
- 2 BOTTOM
- 3 LOWER BACK
- 4 CENTER BACK
- 5 LOWER BACK WITH FRONT FLANGE
- 6 LOWER BACK WITH MOUNTING BRACKET
- 7 CENTER BACK WITH FRONT FLANGE
- 8 CENTER BACK WITH MOUNTING BRACKET

X

GAUGE CONNECTION

- 1BM** 1/8"BSP(M)
1NM 1/8"NPT(M)
1TM 1/8"BSPT(M)
2BM 1/4"BSP(M)
2NM 1/4"NPT(M)
2TM 1/4"BSPT(M)
3BM 3/8"BSP(M)
3NM 3/8"NPT(M)
3TM 3/8"BSPT(M)
4BM 1/2"BSP(M)
4NM 1/2"NPT(M)
4MM M20 X 1.5(M)

***Please consult factory for any special connections

XXX

RANGE

CODE	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14
RANGE (psi)	-30"hg	-30"hg-15	-30"hg-30	-30"hg-60	-30"hg-100	-30"hg-160	-30"hg-200	-30"hg-300	15	30	60	100	160	200
CODE	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24	E25	E26	E27	E28
RANGE (psi)	300	400	500	600	800	1000	1500	2000	3000	4000	5000	6000	7500	10,000

E13

OPTIONAL EXTRAS

- | | |
|---|---|
| SG OXYGEN SERVICE (FOR DRY VERSION)
TI MONEL BOURDON & SOCKET (MONEL VERSION)
TF TESTED TO NACE STANDARD
TB HELIUM LEAK TEST
SD AISI 316 SS MOVEMENT
SF MOVEMENT WITH DAMPENING JELLY
RI 25mm BOD
RH CUSTOM DESIGNED DIAL
ZB RECEIVER RANGE
AT ATEX (AS PER 2014/34/EU)
ZC FREON RANGE (WITH TEMPERATURE SCALE)
ZD AMMONIA RANGE (WITH TEMPERATURE SCALE)
SW DIAL TAG MARKING
RW PLEXI GLASS
RX SHATTERPROOF /SAFETY GLASS
RZ TOUGHENED GLASS
SJ MAXIMUM READING POINTER WITH PLEXI GLASS
ZM ELECTRO POLISHED CASE & BEZEL | CK EPOXY PAINTED CASE & BEZEL
SQ CASE WITH ROLLING TYPE BEZEL
OS CASE WITH BAYONET TYPE BEZEL
PS AISI 316 SS CASE & BEZEL
KA ON-OFF TYPE VENT PLUG
SX SS TAG PLATE
SY AISI 316SS TAG PLATE
QB INTEGRAL DAMPENING SCREW (AISI 316 SS)
FL INTEGRAL DAMPENING SCREW (MONEL)
FS FILLABLE LIQUID SILICON OIL
FG FILLABLE LIQUID GLYCERINE
ZZ DIELECTRIC OIL FILLED
PX DAMPENING LIQUID FLOUROLUBE FILLED
PY DAMPENING LIQUID GLYCERINE OIL FILLED
PZ DAMPENING LIQUID MINERAL LIQUID FILLED
QA DAMPENING LIQUID SILICON OIL FILLED
GH MATERIAL TEST CERTIFICATES
PW FIVE POINT CALIBRATION CERTIFICATE NATIONAL/
INTERNATIONAL STANDARDS |
|---|---|

XX

Ordering Example: P-04-X-X-XXX-(E13)-XX

SPECIAL FEATURES

Phenolic Case With Solid Front Design
 Blow out back
 Standard followed ASME-B.40.1
 Helium Leak Tested
 Built in Stabilizer Movement
 Ready For Oxygen Use
 Internal Vacuum /Over Pressure Stops
 IP 66



SPECIFICATIONS

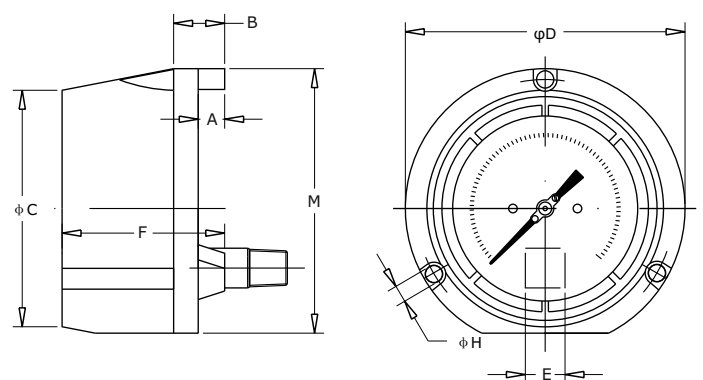
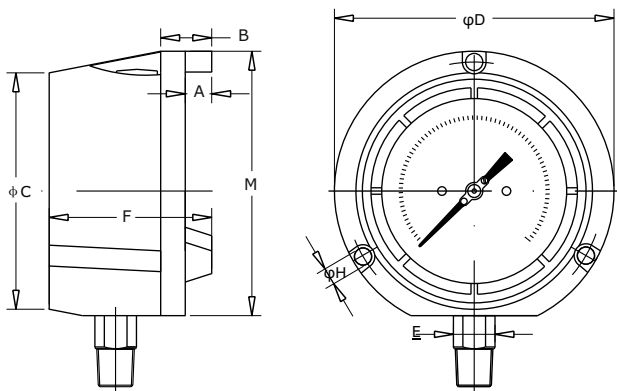
Ambient Temperature: -4°F(-20°C) to +150°F(+65°C)
 Process Temperature: Max. 392°F(200°C)
 Operating Pressure Range: 75% of scale value
 Over Pressure Limit: 150% of Max. scale value
 Case & Bezel: Phenolic
 Joints: Tig Argon Arc Welding
 Protection: IP 66
 Socket: AISI 316L

Bourdon: AISI 316L
 Movement: AISI 304
 Dial: Aluminum
 Pointer: Micro Zero Adjustable
 Window: Safety Glass
 Gasket: Viton
 Ranges: Vacuum to 40,000psi

ACCURACY AS PER ASME B.40.1/EN837-1

4.5" : 0.5-0.5-0.5 (Grade 2A)

*Please consult factory for better accuracy availability.



NS	A	B	φC	φD	E	F	φG	φH	M	Weight (lbs)
4.5"	0.6"	1.0"	5.1"	5.8"	0.87"	3.4"	5.4"	0.2"	5.6"	2.38

NS	A	B	φC	φD	E	F	φG	φH	M	Weight (lbs)
4.5"	0.6"	1.0"	5.1"	5.8"	0.87"	3.4"	5.4"	0.2"	5.6"	2.38

HOW TO ORDER

NOMINAL SIZE

G

4.5"

X

TYPE OF MOUNTING

- 1 WALL/SURFACE/PROJECTION MOUNTING WITH BOTTOM
3 LOWER BACK

X

GAUGE CONNECTION

- 2BM** 1/4"BSP(M)
2NM 1/4"NPT(M)
2TM 1/4"BSPT(M)
3BM 3/8"BSP(M)
3NM 3/8"NPT(M)
3TM 3/8"BSPT(M)
4BM 1/2"BSP(M)
4NM 1/2"NPT(M)
4TM 1/2"BSPT(M)
4MM M20 X 1.5(M)
9UM 9/16"UNF(M)
2HF 1/4"HP(F)

XXX

***Please consult factory for any special connections

RANGE

CODE	E9	E10	E11	E12	E13	E14	E15	E16	E17	E18	E19	E20
RANGE (psi)	15	30	60	100	160	200	300	400	500	600	800	1000
CODE	E21	E22	E23	E24	E25	E26	E27	E28	E29	E30	E31	E32
RANGE (psi)	1500	2000	3000	4000	5000	6000	7500	10,000	15,000	20,000	30,000	40,000

E13

OPTIONAL EXTRAS

- | | |
|--|--|
| SG OXYGEN SERVICE (FOR DRY VERSION) | SJ MAXIMUM READING POINTER WITH PLEXI GLASS FILLABLE VERSION |
| TI MONEL BOURDON & SOCKET (MONEL VERSION) | SX SS TAG PLATE |
| TF TESTED TO NACE STANDARD | SA INTERNAL OVERPRESSURE STOP |
| TB HELIUM LEAK TEST | SB INTERNAL VACUUM STOP |
| SD AISI 316 SS MOVEMENT | ZL OVER RANGE PROTECTION |
| SF MOVEMENT WITH DAMPENING JELLY | QB INTEGRAL DAMPENING SCREW (AISI 316 SS) |
| SI KNIFE EDGE POINTER | FL INTEGRAL DAMPENING SCREW (MONEL) |
| RG ANTI PARALLAX MIRROR BAND DIAL | FS FILLABLE LIQUID SILICON OIL |
| RH CUSTOM DESIGNED DIAL | FG FILLABLE LIQUID GLYCERINE |
| ZB RECEIVER RANGE | ZZ DIELECTRIC OIL FILLED |
| AT ATEX (AS PER 2014/34/EU) | PX DAMPENING LIQUID FLOUROLUBE FILLED |
| ZC FREON RANGE (WITH TEMPERATURE SCALE) | PY DAMPENING LIQUID GLYCERINE OIL FILLED |
| ZD AMMONIA RANGE (WITH TEMPERATURE SCALE) | PZ DAMPENING LIQUID MINERAL LIQUID FILLED |
| SW DIAL TAG MARKING | QA DAMPENING LIQUID SILICON OIL FILLED |
| RW PLEXI GLASS | GH MATERIAL TEST CERTIFICATES |
| RX SHATTERPROOF /SAFETY GLASS | PW FIVE POINT CALIBRATION CERTIFICATE NATIONAL/ INTERNATIONAL STANDARDS |
| RZ TOUGHENED GLASS | |
| SY AISI 316SS TAG PLATE | |

XX

***Please consult factory for any special connections

Ordering Example: P-05-X-X-XXX-(E13)-XX

SPECIAL FEATURES

Standard Followed ASME-B 40.1 / EN837-3
Wetted Parts AISI 316L Stainless Steel
Helium Leak Tested
External Zero Adjustable
Ready For Oxygen Service
IP 65

SPECIFICATIONS

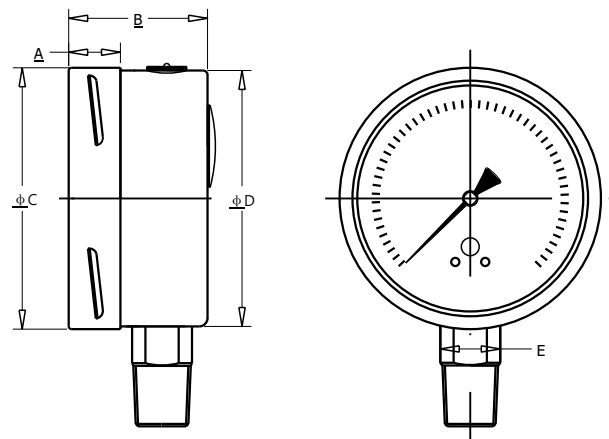
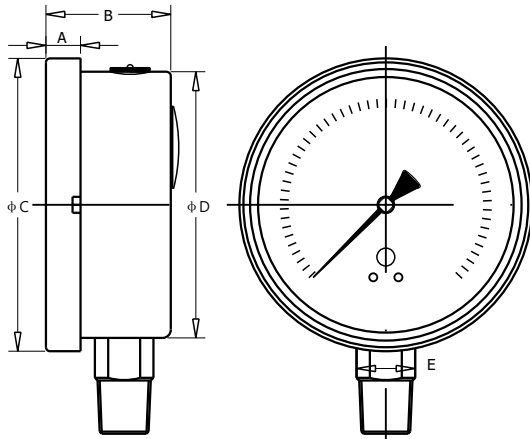
Ambient Temperature: -4°F(-20°C) to +150°F(+65°C)
Process Temperature: Max. 212°F(100°C)
Operating Pressure Range: 75% of Scale Value
Over Pressure Limit: 110% of Max. Scale Value
Case: AISI 304SS
Joints: Tig Argon Arc Welding
Socket: AISI 316L SS
Capsule: AISI 316L SS
Movement: AISI 304 SS
Dial: Aluminum
Pointer: Fixed
Window: Safety Glass
Ranges: -250-0"wc to 0-250"wc



ACCURACY AS PER ASME B.40.1/EN837-3

2.5"/3"/4"/4.5"/6" : 2-1-2 (Grade A)

*Please consult factory for better accuracy availability.



NS	A	B	φC	φD	E	Weight (lbs)
2.5"	0.5"	1.6"	2.8"	2.6"	0.6"	0.57
3"	0.5"	1.6"	3.3"	3"	0.6"	0.75
4.5"	0.6"	1.87"	5"	4.5"	0.87"	1.50

*2.5" & 3" without BOD.

NS	A	B	φC	φD	E	Weight (lbs)
4"	0.6"	1.9"	4"	3.9"	0.87"	1.32
6"	0.6"	1.9"	6.3"	6.2"	0.87"	2.64

*2.5" & 3" without BOD.

HOW TO ORDER

NOMINAL SIZE

D	E	F	G	H
2.5"	3"	4"	4.5"	6"

X

TYPE OF MOUNTING

- 1 WALL/SURFACE/PROJECTION MOUNTING WITH BOTTOM
- 2 BOTTOM
- 3 LOWER BACK
- 4 CENTER BACK
- 5 LOWER BACK WITH FRONT FLANGE
- 6 LOWER BACK WITH MOUNTING BRACKET
- 7 CENTER BACK WITH FRONT FLANGE
- 8 CENTER BACK WITH MOUNTING BRACKET

X

GAUGE CONNECTION

- 2BM** 1/4" BSP(M)
2NM 1/4" NPT(M)
3BM 3/8" BSP(M)
3NM 3/8" NPT(M)
4BM 1/2" BSP(M)
4NM 1/2" NPT(M)
4MM M20 X 1.5(M)

***Please consult factory for any special connections

XXX

RANGE

CODE	LPE1	LPE2	LPE3	LPE4	LPE5	LPE6	LPE7
RANGE ("WC)	-250-0	-160-0	-100-0	-60-0	-30-0	-15-0	-10-0
CODE	LPE8	LPE9	LPE10	LPE11	LPE12	LPE13	LPE14
RANGE ("WC)	-250-0	-160-0	-100-0	-60-0	-30-0	-15-0	-10-0

LPE9

OPTIONAL EXTRAS

- | | |
|--|---|
| <p>SG OXYGEN SERVICE (FOR DRY VERSION)
 TF TESTED TO NACE STANDARD
 TB HELIUM LEAK TEST
 SD AISI 316 SS MOVEMENT
 FN 2" PIPE/YOKE MOUNTING BRACKET & 'U' CLAMP (AISI 316 SS)
 RG ANTI PARALLAX MIRROR BAND DIAL
 RH CUSTOM DESIGNED DIAL
 AT ATEX (AS PER 2014/34/EU)
 SW DIAL TAG MARKING
 RW PLEXI GLASS
 RX SHATTERPROOF /SAFETY GLASS
 RZ TOUGHENED GLASS
 SJ MAXIMUM READING POINTER WITH PLEXI GLASS FILLABLE VERSION</p> | <p>ZM ELECTRO POLISHED CASE & BEZEL
 CK EPOXY PAINTED CASE & BEZEL
 OS CASE WITH BAYONET TYPE BEZEL
 PS AISI 316 SS CASE & BEZEL
 KA ON-OFF TYPE VENT PLUG
 SX SS TAG PLATE
 QB INTEGRAL DAMPENING SCREW (AISI 316 SS)
 FL INTEGRAL DAMPENING SCREW (MONEL)
 FS FILLABLE LIQUID SILICON OIL
 QA DAMPENING LIQUID SILICON OIL FILLED
 GH MATERIAL TEST CERTIFICATES
 PW FIVE POINT CALIBRATION CERTIFICATE NATIONAL/ INTERNATIONAL STANDARDS
 SY AISI 316SS TAG PLATE</p> |
|--|---|

XX

Ordering Example: P-06-X-X-XXX-(LPE9)-XX

SPECIAL FEATURES

Standard Followed ASME-B 40.1 / EN837-1
 Cost Effective
 Build in Stabilizer Movement
 Dry or Liquid Version
 40mm Temperature Compensated Blow Out Disc
 IP 65

SPECIFICATIONS

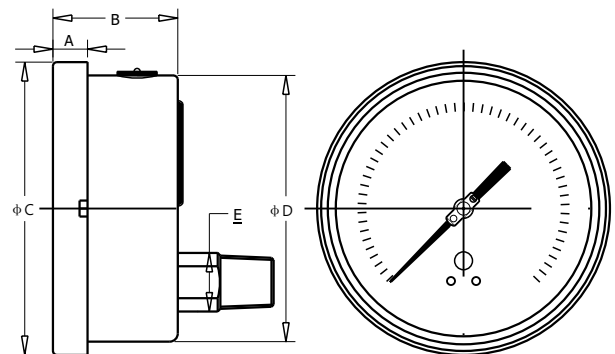
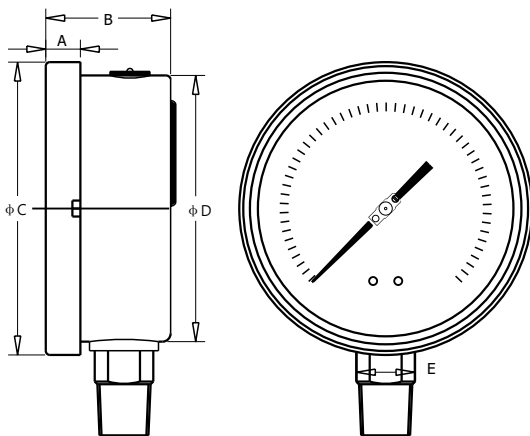
Ambient Temperature: -4°F(-20°C) to +150°F(+65°C)
 Process Temperature: Max. 248°F(120°C)
 Operating Pressure Range: 75% of Scale Value
 Over Pressure Limit: 125% of Max. Scale Value
 Case: AISI 304 SS
 Joints: Alloy Brazing/Soldering
 Socket: Copper Alloy
 Bourdon: Copper Alloy
 Movement: Copper Alloy
 Dial: Aluminum
 Pointer: Micro Zero Adjustable
 Window: Safety Glass
 Range: Vacuum to 6,000PSI



ACCURACY AS PER ASME B.40.1/EN837-1

4"/4.5"/6" 1-1-1 GRADE 1A)

*Please consult factory for better accuracy availability.



NS	A	B	φ C	φ D	E	Weight (lbs)
4"	0.5"	1.87"	4.4"	4"	0.87"	1.28
4.5"	0.6"	1.87"	5"	4.5"	0.87"	1.50
6"	0.6"	1.87"	6.4"	5.9"	0.87"	2.21

NS	A	B	φ C	φ D	E	Weight (lbs)
4"	0.5"	1.87"	4.4"	4"	0.87"	1.28
4.5"	0.6"	1.87"	5"	4.5"	0.87"	1.50
6"	0.6"	1.87"	6.4"	5.9"	0.87"	2.21

HOW TO ORDER

NOMINAL SIZE

F	G	H
4"	4.5"	6"

X

TYPE OF MOUNTING

- 1 WALL/SURFACE/PROJECTION MOUNTING WITH BOTTOM
- 2 BOTTOM
- 3 LOWER BACK
- 4 CENTER BACK
- 5 LOWER BACK WITH FRONT FLANGE
- 6 LOWER BACK WITH MOUNTING BRACKET
- 7 CENTER BACK WITH FRONT FLANGE
- 8 CENTER BACK WITH MOUNTING BRACKET

X

GAUGE CONNECTION

- 2BM** 1/4"BSP(M)
2NM 1/4"NPT(M)
3BM 3/8"BSP(M)
3NM 3/8"NPT(M)
4BM 1/2"BSP(M)
4NM 1/2"NPT(M)
4MM M20 X 1.5(M)

***Please consult factory for any special connections

XXX

RANGE

CODE	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13
RANGE (psi)	-30"hg	-30"hg-15	-30"hg-30	-30"hg-60	-30"hg-100	-30"hg-160	-30"hg-200	-30"hg-300	15	30	60	100	160
CODE	E14	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24	E25	E26
RANGE (psi)	200	300	400	500	600	800	1000	1500	2000	3000	4000	5000	6000

E13

OPTIONAL EXTRAS

- | | |
|---|---|
| <p>SG OXYGEN SERVICE (FOR DRY VERSION)
 OA ACCURACY + 0.5% OF F.S.
 SF MOVEMENT WITH DAMPENING JELLY
 SI KNIFE EDGE POINTER
 FN 2" PIPE/YOKE MOUNTING BRACKET & 'U' CLAMP (AISI 316 SS)
 RG ANTI PARALLAX MIRROR BAND DIAL
 RH CUSTOM DESIGNED DIAL
 ZB RECEIVER RANGE
 AT ATEX (AS PER 2014/34/EU)
 ZC FREON RANGE (WITH TEMPERATURE SCALE)
 SW DIAL TAG MARKING
 RW PLEXI GLASS
 RX SHATTERPROOF /SAFETY GLASS
 RZ TOUGHENED GLASS
 SY AISI 316SS TAG PALET
 SJ MAXIMUM READING POINTER WITH PLEXI GLASS FILLABLE VERSION</p> | <p>ZM ELECTRO POLISHED CASE & BEZEL
 CK EPOXY PAINTED CASE & BEZEL
 PS AISI 316 SS CASE & BEZEL
 KA ON-OFF TYPE VENT PLUG
 SX SS TAG PLATE
 SA INTERNAL OVERPRESSURE STOP
 SB INTERNAL VACUUM STOP
 ZL OVER RANGE PROTECTION
 FK INTEGRAL DAMPENING SCREW (BRASS)
 FS FILLABLE LIQUID SILICON OIL
 FG FILLABLE LIQUID GLYCERINE
 ZZ DIELECTRIC OIL FILLED
 PX DAMPENING LIQUID FLOUROLUBE FILLED
 PY DAMPENING LIQUID GLYCERINE OIL FILLED
 PZ DAMPENING LIQUID MINERAL LIQUID FILLED
 QA DAMPENING LIQUID SILICON OIL FILLED
 GH MATERIAL TEST CERTIFICATES
 PW FIVE POINT CALIBRATION CERTIFICATE NATIONAL/ INTERNATIONAL STANDARDS</p> |
|---|---|

XX

Ordering Example: P-07-X-X-XXX-(E13)-XX

SPECIAL FEATURES

Standard Followed ASME-B 40.1
Phenolic Case With Solid Front Design
Blow Out Back
Wetted Parts AISI 316L Stainless Steel
External Zero Adjustable
Ready For Oxygen Service
IP 65

SPECIFICATIONS

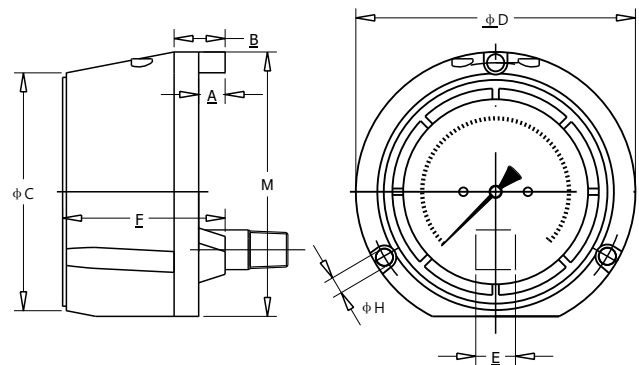
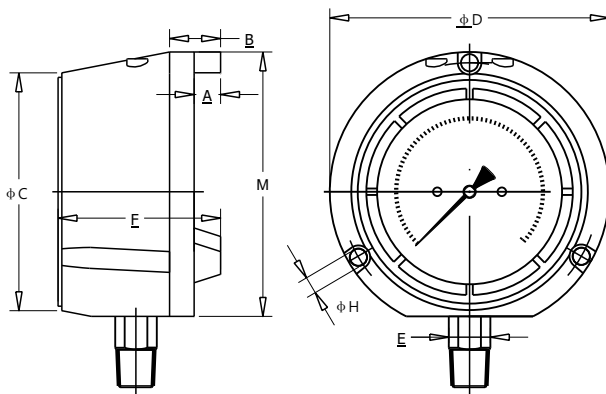
Ambient Temperature: -4°F(-20°C) to+150°F (+65°C)
Process Temperature: Max. 248°F (120°C)
Operating Pressure Range: 75% of Scale Value
Over Pressure Limit: 110% of Max. Scale Value
Case: Phenolic
Joints: Tig Argon Arc Welding
Socket: AISI 316L SS
Capsule: AISI 316L SS
Movement: AISI 304 SS
Dial: Aluminum
Pointer: Fixed
Window: Safety Glass
Range: -250-0"wc to 0-250"wc



ACCURACY AS PER ASME B.40.1/EN837-3

4.5" 2-1-2 GRADE A)

*Please consult facotry for better accury availability.



NS	A	B	φ C	φ D	Weight (lbs)
4.5"	0.5"	1"	5"	6"	
E	F	φ G	φ H	M	2.2
0.87"	3.2"	5.5"	0.3"	5.6"	

NS	A	B	φ C	φ D	Weight (lbs)
4.5"	0.6"	1"	5.1"	5.8"	
E	F	φ G	φ H	M	2.2
0.87"	3.4"	5.4"	0.2"	5.6"	

HOW TO ORDER

NOMINAL SIZE

G
4.5"

Example

X

TYPE OF MOUNTING

- 1 WALL/SURFACE/PROJECTION MOUNTING WITH BOTTOM
3 LOWER BACK

X

GAUGE CONNECTION

- 2BM** 1/4"BSP(M)
2NM 1/4"NPT(M)
3BM 3/8"BSP(M)
3NM 3/8"NPT(M)
4BM 1/2"BSP(M)
4NM 1/2"NPT(M)
4MM M20 X 1.5(M)

XXX

***Please consult factory for any special connections

RANGE

LPE9

CODE	LPE1	LPE2	LPE3	LPE4	LPE5	LPE6	LPE7
RANGE ("WC)	-250-0	-160-0	-100-0	-60-0	-30-0	-15-0	-10-0
CODE	LPE8	LPE9	LPE10	LPE11	LPE12	LPE13	LPE14
RANGE ("WC)	-250-0	-160-0	-100-0	-60-0	-30-0	-15-0	-10-0

OPTIONAL EXTRAS

XX

- | | |
|---|--|
| SG OXYGEN SERVICE (FOR DRY VERSION) | RW PLEXI GLASS |
| TI MONEL BOURDON & SOCKET (MONEL VERSION) | RX SHATTERPROOF /SAFETY GLASS |
| TF TESTED TO NACE STANDARD | RZ TOUGHENED GLASS |
| TB HELIUM LEAK TEST | SX SS TAG PLATE |
| SD AISI 316 SS MOVEMENT | SY AISI 316 SS TAG PLATE |
| SI KNIFE EDGE POINTER | QB INTEGRAL DAMPENING SCREW (AISI 316 SS) |
| FN 2" PIPE/YOKE MOUNTING BRACKET & 'U' CLAMP (AISI 316 SS) | FL INTEGRAL DAMPENING SCREW (MONEL) |
| RG ANTI PARALLAX MIRROR BAND DIAL | FS FILLABLE LIQUID SILICON OIL |
| RH CUSTOM DESIGNED DIAL | QA DAMPENING LIQUID SILICON OIL FILLED |
| SW DIAL TAG MARKING | GH MATERIAL TEST CERTIFICATES |
| | PW FIVE POINT CALIBRATION CERTIFICATE NATIONAL/ INTERNATIONAL STANDARDS |

Ordering Example: P-08-X-X-XXX-(LPE9)-XX

ALL SS SOLID FRONT PRESSURE GAUGES

SPECIAL FEATURES

Standard Followed ASME-B 40.1 / EN837-1
 Stainless Steel Case With Solid Front Design
 Wetted Parts AISI 316L Stainless Steel
 Build in Stabilizer Movement
 Dry or Liquid Version
 Silicone fillable version availability
 NACE MR 0175 Compliance
 Helium Leak Tested
 Laser Welded Case Design
 Ready For Oxygen Service
 Internal Vacuum/ Over pressure Stops
 IP 66

SPECIFICATIONS

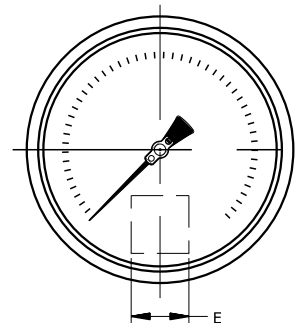
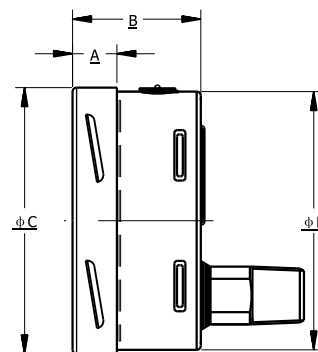
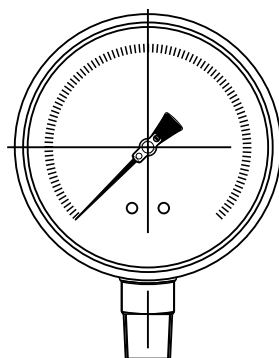
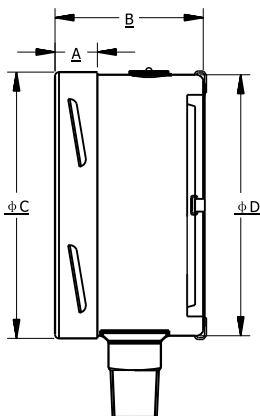
Ambient Temperature: -4 °F (-20°C) to +150°F (+65°C)
 Process Temperature: Max. 392°F (200°C)
 Operating Pressure Range: 75% of Scale Value
 Over Pressure Limit: 125% of Max. Scale Value
 Case: AISI 304 SS
 Joints: Tig Argon Arc Welding
 Socket: AISI 316L SS
 Bourdon: AISI 316L SS
 Movement: AISI 304 SS
 Dial: Aluminum
 Pointer: Micro Zero Adjustable
 Window: Safety Glass
 Range: Vacuum to 10,000PSI



ACCURACY AS PER ASME B.40.1/EN837-1

2.5" 2-1-2 GRADE A)
 4"/4.5"/6" 1-1-1 GRADE 1A)

*Please consult factory for better accuracy availability.



NS	A	B	φ C	φ D	E	Weight (lbs)
2.5"	0.5"	1.7"	2.5"	2.4"	0.6"	0.44
4"	0.6"	2.2"	4"	3.9"	0.87"	1.50
4.5"	0.6"	2.2"	5"	4.5"	0.87"	2.12
6"	0.6"	2.2"	6.3"	6.2"	0.87"	2.91

NS	A	B	φ C	φ D	E	Weight (lbs)
2.5"	0.5"	1.4"	2.5"	2.4"	0.6"	0.44
4"	0.6"	2"	4"	3.9"	0.87"	1.50

ALL SS SOLID FRONT PRESSURE GAUGES

HOW TO ORDER

NOMINAL SIZE

D	F	G	H
2.5"	4"	4.5"	6"

X

TYPE OF MOUNTING

- 1 WALL/SURFACE/PROJECTION MOUNTING WITH BOTTOM
- 2 BOTTOM
- 3 LOWER BACK
- 5 LOWER BACK WITH FRONT FLANGE
- 6 LOWER BACK WITH MOUNTING BRACKET

X

GAUGE CONNECTION

- 2BM** 1/4"BSP(M)
2NM 1/4"NPT(M)
3BM 3/8"BSP(M)
3NM 3/8"NPT(M)
4BM 1/2"BSP(M)
4NM 1/2"NPT(M)
4MM M20 X 1.5(M)
9UM 9/16"UNF(M)
2HF 1/4"HP(F)

XXX

***Please consult factory for any special connections

RANGE

CODE	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14
RANGE (psi)	-30"hg	-30"hg-15	-30"hg-30	-30"hg-60	-30"hg-100	-30"hg-160	-30"hg-200	-30"hg-300	15	30	60	100	160	200
CODE	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24	E25	E26	E27	E28
RANGE (psi)	300	400	500	600	800	1000	1500	2000	3000	4000	5000	6000	7500	10000

E13

OPTIONAL EXTRAS

- | | |
|--|--|
| <p>SG OXYGEN SERVICE (FOR DRY VERSION)
 OA ACCURACY + 0.5% OF F.S.
 TI MONEL BOURDON & SOCKET (MONEL VERSION)
 TF TESTED TO NACE STANDARD
 TB HELIUM LEAK TEST
 SD AISI 316 SS MOVEMENT
 SF MOVEMENT WITH DAMPENING JELLY
 SI KNIFE EDGE POINTER
 FN 2" PIPE/YOKE MOUNTING BRACKET & 'U' CLAMP (AISI 316 SS)
 RG ANTI PARALLAX MIRROR BAND DIAL
 RH CUSTOM DESIGNED DIAL
 ZB RECEIVER RANGE
 AT ATEX (AS PER 2014/34/EU)
 ZC FREON RANGE (WITH TEMPERATURE SCALE)
 ZD AMMONIA RANGE (WITH TEMPERATURE SCALE)
 SW DIAL TAG MARKING
 RW PLEXI GLASS
 RX SHATTERPROOF /SAFETY GLASS
 RZ TOUGHENED GLASS
 SJ MAXIMUM READING POINTER WITH PLEXI GLASS FILLABLE VERSION</p> | <p>ZM ELECTRO POLISHED CASE & BEZEL
 CK EPOXY PAINTED CASE & BEZEL
 PS AISI 316 SS CASE & BEZEL
 KA ON-OFF TYPE VENT PLUG
 SX SS TAG PLATE
 SY AISI 316 SS TAG PLATE
 SA INTERNAL OVERPRESSURE STOP
 SB INTERNAL VACUUM STOP
 ZL OVER RANGE PROTECTION
 QB INTEGRAL DAMPENING SCREW (AISI 316 SS)
 FL INTEGRAL DAMPENING SCREW (MONEL)
 FS FILLABLE LIQUID SILICON OIL
 FG FILLABLE LIQUID GLYCERINE
 ZZ DIELECTRIC OIL FILLED
 PX DAMPENING LIQUID FLOUROLUBE FILLED
 PY DAMPENING LIQUID GLYCERINE OIL FILLED
 PZ DAMPENING LIQUID MINERAL LIQUID FILLED
 QA DAMPENING LIQUID SILICON OIL FILLED
 GH MATERIAL TEST CERTIFICATES
 PW FIVE POINT CALIBRATION CERTIFICATE NATIONAL/ INTERNATIONAL STANDARDS</p> |
|--|--|

XX

Ordering Example: P-09-X-X-XXX-(E13)-XX

SPECIAL FEATURES

Standard Followed ASME-B 40.1 / EN837-1
 Stainless Steel Case With Solid Front Design
 Wetted Parts AISI 316L Stainless Steel
 Build in Stabilizer Movement
 Dry or Liquid Version
 Silicone fillable version availability
 NACE MR 0175 Compliance
 Helium Leak Tested
 Laser Welded Design
 External Zero Adjustable
 Ready For Oxygen Service
 Internal Vacuum/ Over Pressure Stops
 IP 66

SPECIFICATIONS

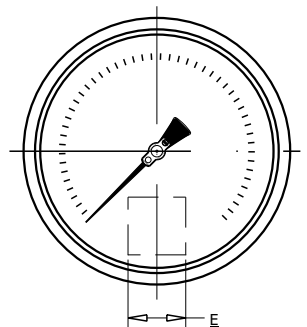
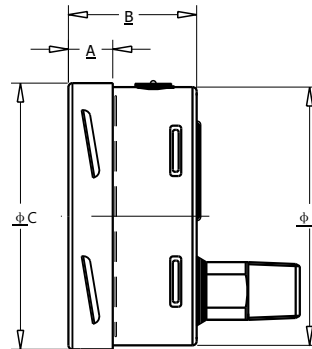
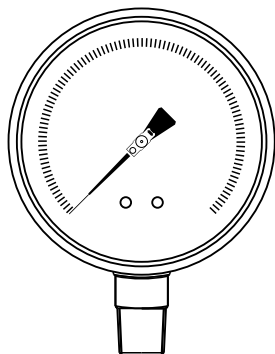
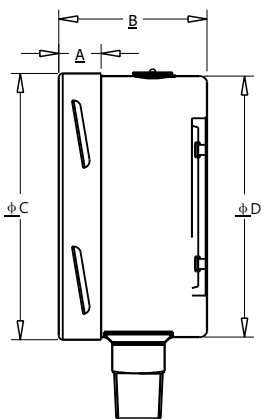
Ambient Temperature: -4°F (-20°C) to +150°F (+65°C)
 Process Temperature: Max.392°F (200°C)
 Operating Pressure Range: 75% of Scale Value
 Over Pressure Limit: 125% of Max.Scale Value
 Case: AISI 304 SS
 Joints: Tig Argon Arc Welding
 Socket: AISI 316L SS
 Bourdon: AISI 316L SS
 Movement: AISI 304 SS
 Dial: Anti Parallax Mirror Dial
 Pointer: Knife-Edge Micro Zero Adjustable
 Window: Safety Glass
 Range: Vacuum to 10,000 psi



ACCURACY AS PER ASME B.40.1/EN837-1

4"/6" : 0.25-0.25-0.25 (GRADE 3A)

*Please consult factory for better accuracy availability.



NS	A	B	φ C	φ D	E	Weight (lbs)
4"	0.6"	2.2"	4"	3.9"	0.87"	1.50
6"	0.7"	2.5"	6.3"	6.3"	0.87"	2.65

NS	A	B	φ C	φ D	E	Weight (lbs)
4"	0.6"	2"	4"	3.9"	0.87"	1.32
6"	0.6"	2"	6"	6"	0.87"	2.65

HOW TO ORDER

NOMINAL SIZE

F H
4" 6"

Example

X

TYPE OF MOUNTING

- 1 WALL/SURFACE/PROJECTION MOUNTING WITH BOTTOM
- 2 BOTTOM
- 3 LOWER BACK
- 5 LOWER BACK WITH FRONT FLANGE
- 6 LOWER BACK WITH MOUNTING BRACKET

X

GAUGE CONNECTION

- 2BM** 1/4"BSP(M)
2NM 1/4"NPT(M)
3BM 3/8"BSP(M)
3NM 3/8"NPT(M)
4BM 1/2"BSP(M)
4NM 1/2"NPT(M)
4MM M20 X 1.5(M)

XXX

***Please consult factory for any special connections

RANGE

CODE	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14
RANGE (psi)	-30"hg	-30"hg-15	-30"hg-30	-30"hg-60	-30"hg-100	-30"hg-160	-30"hg-200	-30"hg-300	15	30	60	100	160	200
CODE	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24	E25	E26	E27	E28
RANGE (psi)	300	400	500	600	800	1000	1500	2000	3000	4000	5000	6000	7500	10000

E13

OPTIONAL EXTRAS

- | | |
|---|--|
| OA ACCURACY + 0.5% OF F.S. | ZM ELECTRO POLISHED CASE & BEZEL |
| TI MONEL BOURDON & SOCKET (MONEL VERSION) | CK EPOXY PAINTED CASE & BEZEL |
| TF TESTED TO NACE STANDARD | OS CASE WITH BAYONET TYPE BEZEL |
| TB HELIUM LEAK TEST | PS AISI 316 SS CASE & BEZEL |
| SD AISI 316 SS MOVEMENT | KA ON-OFF TYPE VENT PLUG |
| SF MOVEMENT WITH DAMPENING JELLY | SX SS TAG PLATE |
| SI KNIFE EDGE POINTER | SY AISI 316 SS TAG PLATE |
| FN 2" PIPE/YOKE MOUNTING BRACKET & 'U' CLAMP (AISI 316 SS) | SA INTERNAL OVERPRESSURE STOP |
| RG ANTI PARALLAX MIRROR BAND DIAL | SB INTERNAL VACUUM STOP |
| RH CUSTOM DESIGNED DIAL | ZL OVER RANGE PROTECTION |
| SW DIAL TAG MARKING | QB INTEGRAL DAMPENING SCREW (AISI 316 SS) |
| RW PLEXI GLASS | FL INTEGRAL DAMPENING SCREW (MONEL) |
| RX SHATTERPROOF /SAFETY GLASS | GH MATERIAL TEST CERTIFICATES |
| RZ TOUGHENED GLASS | PW FIVE POINT CALIBRATION CERTIFICATE NATIONAL/ INTERNATIONAL STANDARDS |
| SJ MAXIMUM READING POINTER WITH PLEXI GLASS FILLABLE VERSION | |

XX

Ordering Example: P-10-X-X-XXX-(E13)-XX

SPECIAL FEATURES

Standard Followed ASME-B 40.1 / EN837-1
 Wetted Parts AISI 316L Stainless Steel
 Build in Stabilizer Movement
 Dry or Liquid Version
 NACE MR 0175 Compliance
 Helium Leak Tested
 40mm Temperature Compensated Blow Out Disc
 Internal Vacuum/ Over Pressure Stops
 IP 66

SPECIFICATIONS

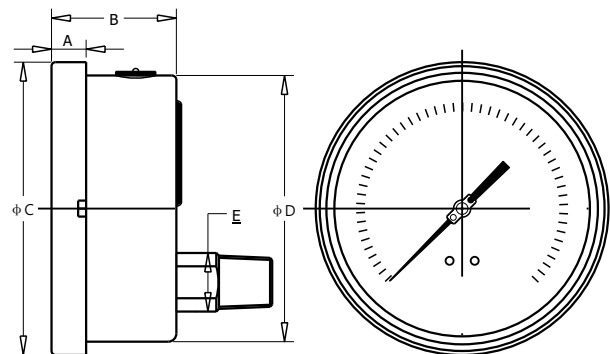
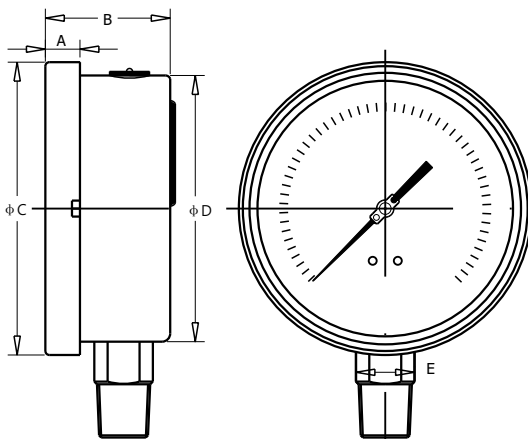
Ambient Temperature: -4°F(-20°C) to +150°F(+65°C)
 Process Temperature: Max.392°F(200°C)
 Operating Pressure Range: 75% of Scale Value
 Over Pressure Limit: 125% of Max. Scale Value
 Case: AISI 304SS
 Joints: Tig Argon Arc Welding
 Socket: AISI 316L SS
 Bourdon: AISI 316L SS
 Movement: AISI 304 SS
 Dial: Aluminum
 Pointer: Micro Zero Adjustable
 Window: Safety Glass
 Range: Vacuum to 10,000PSI



ACCURACY AS PER ASME B.40.1/EN837-1

4"/4.5"/6" : 1-1-1 (GRADE 1A)

*Please consult factory for better accuracy availability.



NS	A	B	φC	φD	E	Weight (lbs)
4"	0.5"	1.87"	4.4"	4"	0.87"	1.32
4.5"	0.6"	1.87"	5"	4.5"	0.87"	1.50
6"	0.6"	1.87"	6.4"	5.9"	0.87"	2.65

NS	A	B	φC	φD	E	Weight (lbs)
4"	0.5"	1.87"	4.4"	4"	0.87"	1.32
4.5"	0.6"	1.87"	5"	4.5"	0.87"	1.50
6"	0.6"	1.87"	6.4"	5.9"	0.87"	2.65

HOW TO ORDER

NOMINAL SIZE

F	G	H
4"	4.5"	6"

Example

X

TYPE OF MOUNTING

- 1 WALL/SURFACE/PROJECTION MOUNTING WITH BOTTOM
- 2 BOTTOM
- 3 LOWER BACK
- 5 LOWER BACK WITH FRONT FLANGE
- 6 LOWER BACK WITH MOUNTING BRACKET

X

GAUGE CONNECTION

- 2BM** 1/4"BSP(M)
2NM 1/4"NPT(M)
3BM 3/8"BSP(M)
3NM 3/8"NPT(M)
4BM 1/2"BSP(M)
4NM 1/2"NPT(M)
4MM M20 X 1.5(M)

***Please consult factory for any special connections

XXX

RANGE

CODE	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14
RANGE (psi)	-30"hg	-30"hg-15	-30"hg-30	-30"hg-60	-30"hg-100	-30"hg-160	-30"hg-200	-30"hg-300	15	30	60	100	160	200
CODE	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24	E25	E26	E27	E28
RANGE (psi)	300	400	500	600	800	1000	1500	2000	3000	4000	5000	6000	7500	10000

E13

OPTIONAL EXTRAS

- | | |
|---|--|
| SG OXYGEN SERVICE (FOR DRY VERSION) | ZM ELECTRO POLISHED CASE & BEZEL |
| OA ACCURACY + 0.5% OF F.S. | CK EPOXY PAINTED CASE & BEZEL |
| TI MONEL BOURDON & SOCKET (MONEL VERSION) | SQ CASE WITH ROLLING TYPE BEZEL |
| TF TESTED TO NACE STANDARD | OS CASE WITH BAYONET TYPE BEZEL |
| TB HELIUM LEAK TEST | PS AISI 316 SS CASE & BEZEL |
| SD AISI 316 SS MOVEMENT | KA ON-OFF TYPE VENT PLUG |
| SF MOVEMENT WITH DAMPENING JELLY | SX SS TAG PLATE |
| RI 25mm BOD | SY AISI 316SS TAG PLATE |
| SI KNIFE EDGE POINTER | SA INTERNAL OVERPRESSURE STOP |
| FN 2" PIPE/YOKE MOUNTING BRACKET & 'U' CLAMP (AISI 316 SS) | SB INTERNAL VACUUM STOP |
| RG ANTI PARALLAX MIRROR BAND DIAL | ZL OVER RANGE PROTECTION |
| RH CUSTOM DESIGNED DIAL | QB INTEGRAL DAMPENING SCREW (AISI 316 SS) |
| ZB RECEIVER RANGE | FL INTEGRAL DAMPENING SCREW (MONEL) |
| AT ATEX (AS PER 2014/34/EU) | FS FILLABLE LIQUID SILICON OIL |
| ZC FREON RANGE (WITH TEMPERATURE SCALE) | FG FILLABLE LIQUID GLYCERINE |
| ZD AMMONIA RANGE (WITH TEMPERATURE SCALE) | ZZ DIELECTRIC OIL FILLED |
| SW DIAL TAG MARKING | PX DAMPENING LIQUID FLOUROLUBE FILLED |
| RW PLEXI GLASS | PY DAMPENING LIQUID GLYCERINE OIL FILLED |
| RX SHATTERPROOF /SAFETY GLASS | PZ DAMPENING LIQUID MINERAL LIQUID FILLED |
| RZ TOUGHENED GLASS | QA DAMPENING LIQUID SILICON OIL FILLED |
| SJ MAXIMUM READING POINTER WITH PLEXI GLASS FILLABLE VERSION | GH MATERIAL TEST CERTIFICATES |
| | PW FIVE POINT CALIBRATION CERTIFICATE NATIONAL/ INTERNATIONAL STANDARDS |

XX

Ordering Example: P-11-X-X-XXX-(E13)-XX

SPECIAL FEATURES

Standard Followed ASME-B 40.1 / EN837-1
Wetted Parts MONEL
Build in Stabilizer Movement
Dry or Liquid Version
NACE MR 0175 Compliance
Helium Leak Tested
40mm Temperature Compensated Blow Out Disc
Internal Vacuum/ Over Pressure Stops
IP 66

SPECIFICATIONS

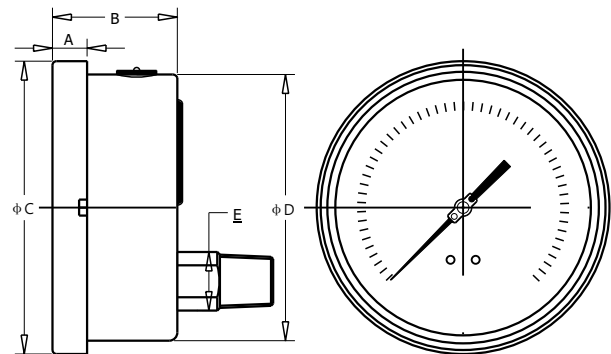
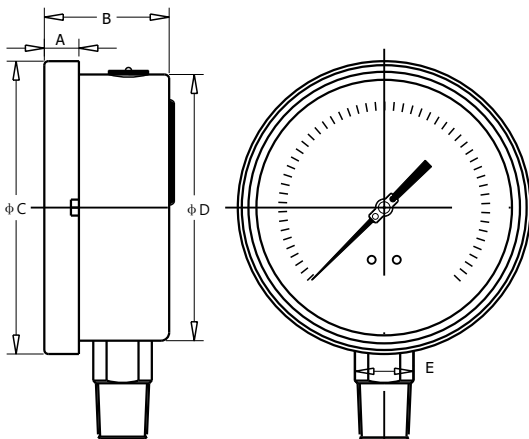
Ambient Temperature: -4°F (-20°C) to +150°F (+65°C)
Process Temperature: Max.392°F (200°C)
Operating Pressure Range: 75% of Scale Value
Over Pressure Limit: 125% of Max. Scale Value
Case: AISI 304 SS
Joints: Tig Argon Arc Welding
Socket: MONEL
Bourdon: MONEL
Movement: AISI 304SS
Dial:Aluminum
Pointer: Micro Zero Adjustable
Window: Safety Glass
Range: Vacuum to 10,000PSI



ACCURACY AS PER ASME B.40.1/EN837-1

2.5" /3" : 2-1-2 (GRADE A)
4" /4.5" /6" 1-1-1 GRADE 1A)

*Please consult factory for better accuracy availability.



NS	A	B	φ C	φ D	E	Weight (lbs)
2.5"	0.5"	1.5"	2.7"	2.5"	0.55"	0.40
3"	0.4"	1.5"	3.5"	3.2"	0.67"	0.62
4"	0.5"	1.87"	4.4"	4"	0.87"	1.32
4.5"	0.6"	1.87"	5"	4.5"	0.87"	1.50
6"	0.6"	1.87"	6.4"	5.9"	0.87"	2.65

*2.5" & 3" without BOD.

NS	A	B	φ C	φ D	E	Weight (lbs)
2.5"	0.4"	1.5"	2.7"	2.4"	0.6"	0.40
3"	0.4"	1.5"	3.5"	3.2"	0.67"	0.62
4"	0.5"	1.87"	4.4"	4"	0.87"	1.32
4.5"	0.6"	1.87"	5"	4.5"	0.87"	1.50
6"	0.6"	1.87"	6.4"	5.9"	0.87"	2.65

*2.5" & 3" without BOD.

HOW TO ORDER

NOMINAL SIZE

D	E	F	G	H
2.5"	3"	4"	4.5"	6"

X

TYPE OF MOUNTING

- 1 WALL/SURFACE/PROJECTION MOUNTING WITH BOTTOM
- 2 BOTTOM
- 3 LOWER BACK
- 5 LOWER BACK WITH FRONT FLANGE
- 6 LOWER BACK WITH MOUNTING BRACKET

X

GAUGE CONNECTION

- 2BM** 1/4"BSP(M)
2NM 1/4"NPT(M)
3BM 3/8"BSP(M)
3NM 3/8"NPT(M)
4BM 1/2"BSP(M)
4NM 1/2"NPT(M)
4MM M20 X 1.5(M)
9UM 9/16"UNF(M)
2HF 1/4"HP(F)

***Please consult factory for any special connections

XXX

RANGE

CODE	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14
RANGE (psi)	-30"hg	-30"hg-15	-30"hg-30	-30"hg-60	-30"hg-100	-30"hg-160	-30"hg-200	-30"hg-300	15	30	60	100	160	200
CODE	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24	E25	E26	E27	E28
RANGE (psi)	300	400	500	600	800	1000	1500	2000	3000	4000	5000	6000	7500	10000

E13

OPTIONAL EXTRAS

- | | |
|--|--|
| <p> SG OXYGEN SERVICE (FOR DRY VERSION)
 OA ACCURACY + 0.5% OF F.S.
 TI MONEL BOURDON & SOCKET (MONEL VERSION)
 TF TESTED TO NACE STANDARD
 TB HELIUM LEAK TEST
 SD AISI 316 SS MOVEMENT
 SF MOVEMENT WITH DAMPENING JELLY
 RI 25mm BOD
 SI KNIFE EDGE POINTER
 FN 2" PIPE/YOKE MOUNTING BRACKET & 'U' CLAMP (AISI 316 SS)
 RG ANTI PARALLAX MIRROR BAND DIAL
 RH CUSTOM DESIGNED DIAL
 ZB RECEIVER RANGE
 AT ATEX (AS PER 2014/34/EU)
 ZC FREON RANGE (WITH TEMPERATURE SCALE)
 ZD AMMONIA RANGE (WITH TEMPERATURE SCALE)
 SW DIAL TAG MARKING
 RW PLEXI GLASS
 RX SHATTERPROOF /SAFETY GLASS
 RZ TOUGHENED GLASS
 SJ MAXIMUM READING POINTER WITH PLEXI GLASS FILLABLE VERSION </p> | <p> ZM ELECTRO POLISHED CASE & BEZEL
 CK EPOXY PAINTED CASE & BEZEL
 SQ CASE WITH ROLLING TYPE BEZEL
 OS CASE WITH BAYONET TYPE BEZEL
 PS AISI 316 SS CASE & BEZEL
 KA ON-OFF TYPE VENT PLUG
 SX SS TAG PLATE
 SY AISI 316 SS TAG PLATE
 SA INTERNAL OVERPRESSURE STOP
 SB INTERNAL VACUUM STOP
 ZL OVER RANGE PROTECTION
 QB INTEGRAL DAMPENING SCREW (AISI 316 SS)
 FL INTEGRAL DAMPENING SCREW (MONEL)
 FS FILLABLE LIQUID SILICON OIL
 FG FILLABLE LIQUID GLYCERINE
 ZZ DIELECTRIC OIL FILLED
 PX DAMPENING LIQUID FLOUROLUBE FILLED
 PY DAMPENING LIQUID GLYCERINE OIL FILLED
 PZ DAMPENING LIQUID MINERAL LIQUID FILLED
 QA DAMPENING LIQUID SILICON OIL FILLED
 GH MATERIAL TEST CERTIFICATES
 PW FIVE POINT CALIBRATION CERTIFICATE NATIONAL/ INTERNATIONAL STANDARDS </p> |
|--|--|

XX

Ordering Example: P-12-X-X-XXX-(E13)-XX

SPECIAL FEATURES

Stainless Steel Case & Measuring System
Flanged Or Screwed Connection
Standard Followed AMSE –B.40.1 / EN837-3
Oil Filled Vibration Proof Type is Optional
IP:65

SPECIFICATIONS

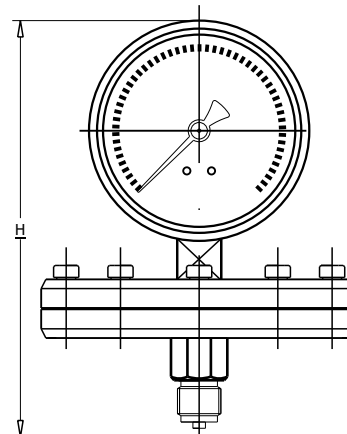
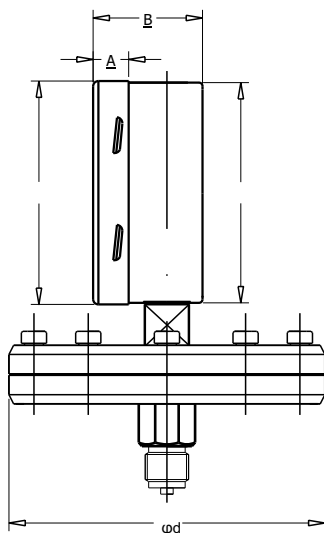
Ambient Temperature: -4°F(-20°C) to +150°F (+65°C)
Process Temperature: Max.212°F (+100°C)
Operating Pressure Range: 75% of Scale Value
Over Pressure Limit: 125% of Max.Scale Value
Case: AISI 304 SS
Joints: Tig Argon Arc Welding
Socket: AISI 316L SS
Diaphragm: AISI 316L SS
Movement: AISI 304 SS
Dial:Aluminum
Pointer: Micro Zero Adjustable
Window: Safety Glass
Range: 15"WC-200psi



ACCURACY AS PER ASME B.40.1/EN837-3

4"/6" : 2-1-2 (GRADE A)

*Please consult factory for better accuracy availability.



NS	A	B	φ C	φ d	SW	H	Weight (lbs)
4"	0.7"	1.97"	4.4"	4"	0.9"	7.3"	6.62
6"	0.7"	1.97"	6.4"		0.9"	9.6"	7.76
4"	0.7"	1.97"	4.4"	6"	0.9"	7.3"	6.62
6"	0.7"	1.97"	6.4"		0.9"	9.6"	7.76

HOW TO ORDER

NOMINAL SIZE

F H
4" 6"

Example

X

TYPE OF MOUNTING

2 BOTTOM

X

GAUGE CONNECTION

2BM 1/4"BSP(M)
2NM 1/4"NPT(M)
3BM 3/8"BSP(M)
3NM 3/8"NPT(M)
4BM 1/2"BSP(M)
4NM 1/2"NPT(M)
4MM M20 X 1.5(M)

***Please consult factory for any special connections

XXX

ELECTRIC CONTACTS

A)SINGLE INSULATED MAGNETIC SNAP ACTION TYPE*
(230 V AC, 1 Amp.) (48 V DC, 0.5 Amp)

B)INDUCTIVE TYPE (220 V AC, 0.4 Amp.)

RJ Single; NORMALLY CLOSED(1NC)
RK Double; NORMALLY CLOSED+NORMALLY OPEN(1NC+1NO)
RL Single; NORMALLY OPEN(1NO)
RM Double; NORMALLY OPEN+NORMALLY CLOSED(1NO+1NC)
RN Double; NORMALLY CLOSED (BOTH NC)
RO Double; NORMALLY OPEN(BOTH NO)
RU BOOSTER WITH RELAY FOR CURRENT UPTO 5 Amp
RA SPDT
RC DPDT

YW Single; NORMALLY OPEN(1NO)
YV Single; NORMALLY CLOSED(1NC)
YX Double; NORMALLY CLOSED+NORMALLY OPEN(1NC+1NO)
YY Double; NORMALLY OPEN(BOTH NO)
YZ Double; NORMALLY CLOSED(BOTH NC)
ZA Double; NORMALLY OPEN+NORMALLY CLOSED(1NO+1NC)

*FOR DOUBLE INSULATED ELECTRICAL CONTACTS,CONSULT FACTORY FOR PRICE & DELIVERY.

X

DIAPHRAGM

UJ AISI 316L SS(Standard)
UM MONEL

UR TITANIUM
UQ TANTALUM

UL HASTELLOY'C

X

RANGE

CODE	LPE7	LPE8	LPE9	LPE10	LPE11	LPE12	
RANGE ("WC)	15"WC	30"WC	35"WC	60"WC	100"WC	160"WC	
CODE	LPE13	LPE14	LPE15	LPE16	LPE17	LPE18	LPE19
RANGE (psi)	10psi	15psi	30psi	60psi	100psi	160psi	200psi

LPE9

OPTIONAL EXTRAS

SD AISI 316 SS MOVEMENT
RG ANTI PARALLAX MIRROR BAND DIAL
RH CUSTOM DESIGNED DIAL
SW DIAL TAG MARKING
RW PLEXI GLASS
RX SHATTERPROOF /SAFETY GLASS
RZ TOUGHENED GLASS
SY AISI 316 SS TAG PLATE

ZM ELECTRO POLISHED CASE & BEZEL
CK EPOXY PAINTED CASE & BEZEL
OS CASE WITH BAYONET TYPE BEZEL
PS AISI 316 SS CASE & BEZEL
SX SS TAG PLATE
GH MATERIAL TEST CERTIFICATES
PW FIVE POINT CALIBRATION CERTIFICATE NATIONAL/
INTERNATIONAL STANDARDS

XX

Ordering Example: P-13-X-X-XXX-X-X-(LPE9)-XX

SPECIAL FEATURES

Stainless Steel Case & Measuring System
 Static Pressure Up to 6000 psi
 Dry Or Liquid Filled
 Standard Followed AMSE -B.40.1 / EN837-3
 IP:65

SPECIFICATIONS

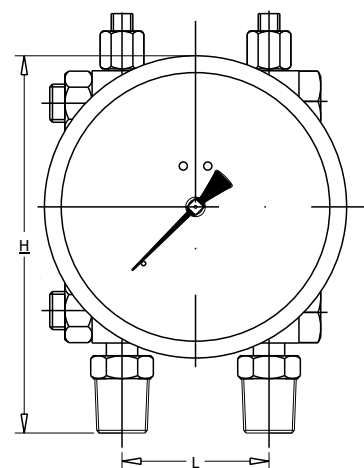
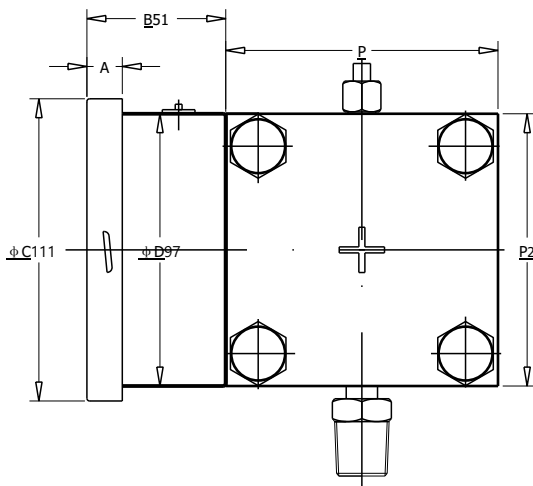
Ambient Temperature: -4°F(-20°C)to+150°F(+65°C)
 Process Temperature: Max.212°F (+100°C)
 Operating Pressure Range: 75% of Scale Value
 Over Pressure Limit: 125% of Max. Scale Value
 Case: AISI 304 SS
 Joints: Tig Argon Arc Welding
 Socket: AISI 316L SS
 Diaphragm: AISI 316L SS
 Movement: AISI 304 SS
 Dial:Aluminum
 Pointer: Micro Zero Adjustable
 Window: Safety Glass
 Range: 15"WC-160PSI



ACCURACY AS PER ASME B.40.1/EN837-3

4"/6" : 3-1-3 (GRADE B)
 4"/6" : 2-1-2 (GRADE A)

*Please consult factory for better accuracy availability.



NS	A	B	φ C	φ D	P	P2	P2	L	Weight (lbs)
4"	0.5"	2"	4.4"	3.8"	4"	4"	5.6"	2"	6.6
6"	0.6"	2.2"	5.9"	5.8"	4"	4"	6.2"	2"	17.6

HOW TO ORDER

NOMINAL SIZE

F H

4" 6"

X

TYPE OF MOUNTING

- 1 WALL/SURFACE/PROJECTION MOUNTING WITH BOTTOM
- 2 BOTTOM
- 9 2" PIPE/YOKE MOUNTING WITH BOTTOM ENTRY

X

GAUGE CONNECTION

- 3BM** 3/8"BSP(M)
3NM 3/8"NPT(M)
4BM 1/2"BSP(M)
4NM 1/2"NPT(M)
4MM M20 X 1.5(M)

***Please consult factory for any special connections

XXX

SEAL CHAMBER (*Consult Factory for Specification, Price and Delivery)

TK	AISI 304SS	TX	MONEL	TZ	PVC*
TM	AISI 316L SS	TT	HASTELLOY C'	UA	PVDF*
TL	AISI 316L SS(Standard)	UD	TANTALUM	TY	POLYPROPELENE*
UH	TITANIUM				

X

DIAPHRAGM

UJ	AISI 316L SS(Standard)	UR	TITANIUM	UL	HASTELLOY'C
UM	MONEL	UQ	TANTALUM		

X

FILLING FLUIDS (*Consult Factory for Specification, Price and Delivery)

US	FLUROLUBE 4.2[-45 to 175°C]	UY	SILICON DC 704(10 to 337°C)
UT	FLUROLUBE 6.3[-40 to 235°C]	UZ	SILICON DC 710(7 to 371°C)
UU	FLUROLUBE FS-5[-28 to 148°C]	VA	SYLTHERM 800(-40 to 315°C)
UV	FOOD GRADE OIL[-20 to 140°C]	VB	SYLTHERM XLT(-100 to 260°C)
UX	SILICON DC 200[-40 to 205°C](Standard)	VC	HALOCARBON OIL*

X

RANGE

CODE	LPE7	LPE8	LPE9	LPE10	LPE11	LPE12
RANGE ("WC)	15"WC	30"WC	35"WC	60"WC	100"WC	160"WC
CODE	LPE13	LPE14	LPE15	LPE16	LPE17	LPE18
RANGE (psi)	10psi	15psi	30psi	60psi	100psi	160psi

LPE9

OPTIONAL EXTRAS

TI	MONEL DIAPHRAGM & CHAMBER (MONEL VERSION)	CK	EPOXY PAINTED CASE & BEZEL
TF	TESTED TO NACE STANDARD	OS	CASE WITH BAYONET TYPE BEZEL
TB	HELIUM LEAK TEST	PS	AISI 316 SS CASE & BEZEL
SD	AISI 316 SS MOVEMENT	KA	ON-OFF TYPE VENT PLUG
SI	KNIFE EDGE POINTER	SX	SS TAG PLATE
FN	2" PIPE/YOKE MOUNTING BRACKET & 'U' CLAMP (AISI 316 SS)	SY	AISI 316 SS TAG PLATE
RG	ANTI PARALLAX MIRROR BAND DIAL	FS	FILLABLE LIQUID SILICON OIL
RH	CUSTOM DESIGNED DIAL	FG	FILLABLE LIQUID GLYCERINE
SW	DIAL TAG MARKING	ZZ	DIELECTRIC OIL FILLED
RW	PLEXI GLASS	PX	DAMPENING LIQUID FLOUROLUBE FILLED
RX	SHATTERPROOF /SAFETY GLASS	PY	DAMPENING LIQUID GLYCERINE OIL FILLED
RZ	TOUGHENED GLASS	PZ	DAMPENING LIQUID MINERAL LIQUID FILLED
SJ	MAXIMUM READING POINTER WITH PLEXI GLASS	QA	DAMPENING LIQUID SILICON OIL FILLED
	FILLABLE VERSION	GH	MATERIAL TEST CERTIFICATES
ZM	ELECTRO POLISHED CASE & BEZEL	PW	FIVE POINT CALIBRATION CERTIFICATE NATIONAL/ INTERNATIONAL STANDARDS

XX

Ordering Example: P-14-X-X-XXX-X-X-X-(LPE9)-XX

SPECIAL FEATURES

Standard Followed ASME-B 40.1 / EN837-1
 Anti Parallax Mirror Band
 External Zero Adjustable
 Internal Vacuum/ Overpressure Stops
 Calibration Certificate With Traceability To National / International Standard
 IP 66

SPECIFICATIONS

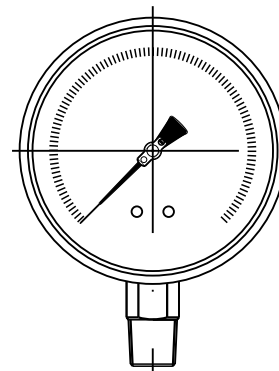
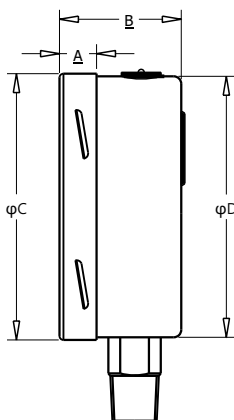
Ambient Temperature: -4°F (-20°C) to + 150°F (+65°C)
 Process Temperature: Max.150°F (+65°C)
 Operating Pressure Range: 75% of Scale Value
 Over Pressure Limit: 125% of Max. Scale Value
 Case: AISI 304 SS
 Joints: Tig Argon Arc Welding
 Socket: AISI 316L SS
 Bourdon: AISI 316L SS
 Movement: AISI 304 SS
 Dial: Anti Parallax Mirror Dial
 Pointer: Knife-Edge Micro Zero Adjustable
 Window: Safety Glass
 Range: Vacuum to 10,000PSI



ACCURACY AS PER ASME B.40.1/EN837-1

6"/8"/10": 0.25% (GRADE 3A)

*Please consult factory for better accuracy availability.



NS	A	B	φC	φD	E	Weight (lbs)
6"	0.7"	2"	6.3"	6.2"	0.87"	2.65
8"	0.7"	2"	8"	7.6"	0.87"	3.97
10"	0.7"	2"	10"	9.7"	0.87"	4.85

HOW TO ORDER

NOMINAL SIZE

H	I	J
6"	8"	10"

X

TYPE OF MOUNTING

- 1 WALL/SURFACE/PROJECTION MOUNTING WITH BOTTOM
- 2 BOTTOM
- 3 LOWER BACK
- 5 LOWER BACK WITH FRONT FLANGE
- 6 LOWER BACK WITH MOUNTING BRACKET

X

GAUGE CONNECTION

- 2BM** 1/4"BSP(M)
2NM 1/4"NPT(M)
3BM 3/8"BSP(M)
3NM 3/8"NPT(M)
4BM 1/2"BSP(M)
4NM 1/2"NPT(M)
4MM M20 X 1.5(M)

***Please consult factory for any special connections

XXX

RANGE

CODE	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14
RANGE (psi)	-30"hg	-30"hg-15	-30"hg-30	-30"hg-60	-30"hg-100	-30"hg-160	-30"hg-200	-30"hg-300	15	30	60	100	160	200
CODE	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24	E25	E26	E27	E28
RANGE (psi)	300	400	500	600	800	1000	1500	2000	3000	4000	5000	6000	7500	10000

E13

OPTIONAL EXTRAS

- | | |
|---|--|
| OA ACCURACY + 0.5% OF F.S. | ZM ELECTRO POLISHED CASE & BEZEL |
| TI MONEL BOURDON & SOCKET (MONEL VERSION) | CK EPOXY PAINTED CASE & BEZEL |
| TF TESTED TO NACE STANDARD | OS CASE WITH BAYONET TYPE BEZEL |
| TB HELIUM LEAK TEST | PS AISI 316 SS CASE & BEZEL |
| SD AISI 316 SS MOVEMENT | KA ON-OFF TYPE VENT PLUG |
| SF MOVEMENT WITH DAMPENING JELLY | SX SS TAG PLATE |
| SI KNIFE EDGE POINTER | SY AISI 316 SS TAG PLATE |
| FN 2" PIPE/YOKE MOUNTING BRACKET & 'U' CLAMP (AISI 316 SS) | SA INTERNAL OVERPRESSURE STOP |
| RG ANTI PARALLAX MIRROR BAND DIAL | SB INTERNAL VACUUM STOP |
| RH CUSTOM DESIGNED DIAL | ZL OVER RANGE PROTECTION |
| SW DIAL TAG MARKING | QB INTEGRAL DAMPENING SCREW (AISI 316 SS) |
| RW PLEXI GLASS | FL INTEGRAL DAMPENING SCREW (MONEL) |
| RX SHATTERPROOF /SAFETY GLASS | GH MATERIAL TEST CERTIFICATES |
| RZ TOUGHENED GLASS | PW FIVE POINT CALIBRATION CERTIFICATE NATIONAL/ INTERNATIONAL STANDARDS |
| SJ MAXIMUM READING POINTER WITH PLEXI GLASS FILLABLE VERSION | |

XX

Ordering Example: P-15-X-X-XXX-(E13)-XX

SPECIAL FEATURES

Standard Followed ASME-B 40.1 / EN837-1
 Cost Effective
 Build in Stabilizer Movement
 Dry or Liquid Version
 Ready For Oxygen Service
 IP 65

SPECIFICATIONS

Ambient Temperature: -4°F (-20°C) to + 150°F(+65°C)
 Process Temperature: Max.248°F (120°C)
 Operating Pressure Range: 75% of Scale Value
 Over Pressure Limit: 125% of Max. Scale Value
 Case: AISI 304 SS
 Joints: Alloy brazing/Soldering
 Socket: Copper Alloy
 Bourdon: Copper Alloy
 Movement: Copper Alloy
 Dial: Aluminum
 Pointer: Fixed
 Window: PC lens
 Range: Vacuum to 6000 psi

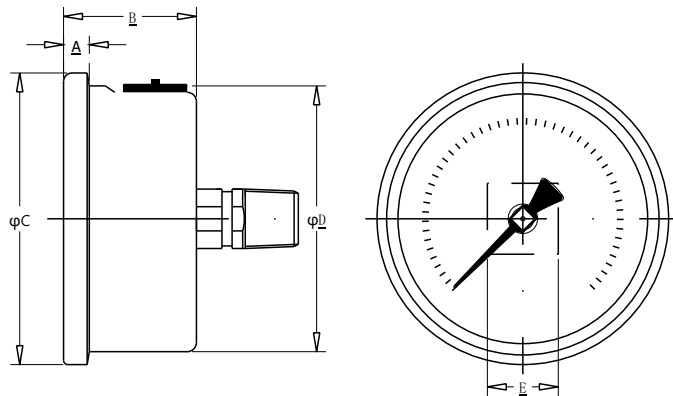
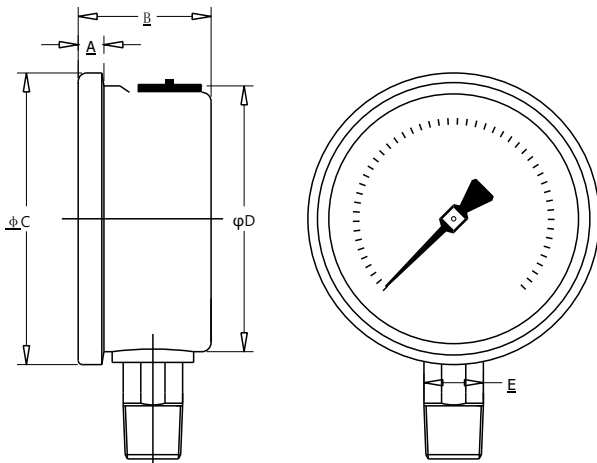


ACCURACY AS PER ASME B.40.1/EN837-1

1.5"/2" 3-2-3 GRADE B)

2.5"/3"/4" : 2-1-2 GRADE A)

*Please consult factory for better accuracy availability.



NS	NS	A	B	φ C	φ D	E	Weight (lbs)
Crimped type	1.5"	0.2"	1"	1.84"	1.6"	0.43"	0.18
	2"	0.24"	1.16"	2.3"	2"	0.55"	0.26
	2.5"	0.24"	1.22"	2.68"	2.44"	0.55"	0.40
	3"	0.27"	1.37"	3.43"	3"	0.67"	0.60
	4"	0.32"	1.85"	4.3"	4"	0.87"	1.32
Bayonet type	2.5"	0.5"	1.4"	2.68"	2.44"	0.55"	0.40
	3"	0.43"	1.4"	3.5"	3.15"	0.67"	0.60
	4"	0.5"	1.87"	4.4"	4"	0.87"	1.32

NS	NS	A	B	φ C	φ D	E	Weight (lbs)
Crimped type (CBM)	1.5"	0.2"	1"	1.74"	1.6"	0.43"	0.18
	2"	0.24"	1.16"	2.3"	2"	0.55"	0.26
	2.5"	0.24"	1.22"	2.68"	2.44"	0.55"	0.40
	3"	0.27"	1.37"	3.43"	3"	0.67"	0.60
Bayonet type (LBM)	2.5"	0.5"	1.4"	2.68"	2.44"	0.55"	0.40
	3"	0.47"	1.4"	3.3"	3"	0.55"	0.60
	4"	0.5"	1.87"	4.4"	4"	0.87"	1.32

HOW TO ORDER

NOMINAL SIZE

B	C	D	E	F
1.5"	2"	2.5"	3"	4"

Example

X

TYPE OF MOUNTING

- 1 WALL/SURFACE/PROJECTION MOUNTING WITH BOTTOM
- 2 BOTTOM
- 3 LOWER BACK
- 5 LOWER BACK WITH FRONT FLANGE
- 6 LOWER BACK WITH MOUNTING BRACKET
- 7 CENTER BACK WITH FRONT FLANGE
- 8 CENTER BACK WITH MOUNTING BRACKET

X

GAUGE CONNECTION

- 2BM** 1/4"BSP(M)
2NM 1/4"NPT(M)
3BM 3/8"BSP(M)
3NM 3/8"NPT(M)
4BM 1/2"BSP(M)
4NM 1/2"NPT(M)
4MM M20 X 1.5(M)

***Please consult factory for any special connections

XXX

RANGE

CODE	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13
RANGE (psi)	-30"hg	-30"hg-15	-30"hg-30	-30"hg-60	-30"hg-100	-30"hg-160	-30"hg-200	-30"hg-300	15	30	60	100	160
CODE	E14	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24	E25	E26
RANGE (psi)	200	300	400	500	600	800	1000	1500	2000	3000	4000	5000	6000

E13

OPTIONAL EXTRAS

- | | |
|--|---|
| <p> SG OXYGEN SERVICE (FOR DRY VERSION)
 OA ACCURACY + 0.5% OF F.S.
 SF MOVEMENT WITH DAMPENING JELLY
 RI 25mm BOD
 SI KNIFE EDGE POINTER
 FN 2" PIPE/YOKE MOUNTING BRACKET & 'U' CLAMP (AISI 316 SS)
 RG ANTI PARALLAX MIRROR BAND DIAL
 RH CUSTOM DESIGNED DIAL
 ZB RECEIVER RANGE
 AT ATEX (AS PER 2014/34/EU)
 ZC FREON RANGE (WITH TEMPERATURE SCALE)
 ZD AMMONIA RANGE (WITH TEMPERATURE SCALE)
 SW DIAL TAG MARKING
 RW PLEXI GLASS
 SJ MAXIMUM READING POINTER WITH PLEXI GLASS
 ZM FILLABLE VERSION
 ZM ELECTRO POLISHED CASE & BEZEL </p> | <p> CK EPOXY PAINTED CASE & BEZEL
 SQ CASE WITH ROLLING TYPE BEZEL
 OS CASE WITH BAYONET TYPE BEZEL
 PS AISI 316 SS CASE & BEZEL
 KA ON-OFF TYPE VENT PLUG
 SX SS TAG PLATE
 SY AISI 316SS TAG PLATE
 FK INTEGRAL DAMPENING SCREW (BRASS)
 FS FILLABLE LIQUID SILICON OIL
 FG FILLABLE LIQUID GLYCERINE
 ZZ DIELECTRIC OIL FILLED
 PX DAMPENING LIQUID FLOUROLUBE FILLED
 PY DAMPENING LIQUID GLYCERINE OIL FILLED
 PZ DAMPENING LIQUID MINERAL LIQUID FILLED
 QA DAMPENING LIQUID SILICON OIL FILLED
 GH MATERIAL TEST CERTIFICATES
 PW FIVE POINT CALIBRATION CERTIFICATE NATIONAL/ INTERNATIONAL STANDARDS </p> |
|--|---|

XX

Ordering Example: P-16-X-X-XXX-(E13)-XX

SPECIAL FEATURES

Standard Followed ASME-B 40.1 / EN837-1
 Pressure Relieving Back For Increased Safety
 Stainless Steel Case With Solid Front Design
 Wetted Parts AISI 316L Stainless Steel
 Build in Stabilizer Movement
 Dry or Liquid Version
 Silicone fillable version availability
 NACE MR 0175 Compliance
 Helium Leak Tested
 Laser Welded Design
 Ready For Oxygen Service
 Internal Vacuum/ Over Pressure Stops
 IP 66

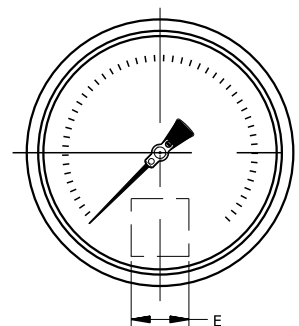
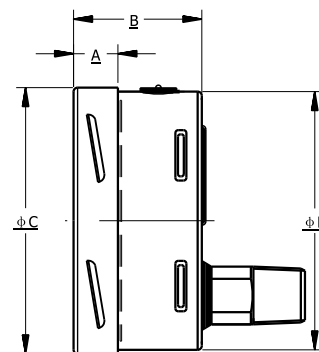
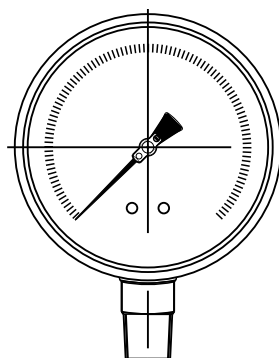
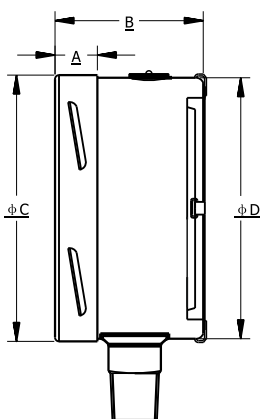
SPECIFICATIONS

Ambient Temperature: -4 °F (-20°C) to +150°F (+65°C)
 Process Temperature: Max. 392°F (200°C)
 Operating Pressure Range: 75% of Scale Value
 Over Pressure Limit: not suitable
 Case: AISI 304 SS
 Joints: Tig Argon Arc Welding
 Socket: AISI 316L SS
 Bourdon: AISI 316L SS
 Movement: AISI 304 SS
 Dial: Aluminum
 Pointer: Micro Zero Adjustable
 Window: Safety Glass
 Range: Vacuum to 600PSI



ACCURACY AS PER ASME B.40.1/EN837-1

4"/4.5"/6" : 1-1-1 (GRADE 1A) For Range Scale Only &
 4-3-4 (GRADE C) For End Scale Only (End scale covered with triangle)



NS	A	B	φ C	φ D	E	Weight (lbs)
4"	0.6"	2.2"	4"	3.9"	0.87"	1.50
4.5"	0.6"	2.2"	5"	4.5"	0.87"	2.12
6"	0.6"	2.2"	6.3"	6.2"	0.87"	2.91

NS	A	B	φ C	φ D	E	Weight (lbs)
4"	0.6"	2"	4"	3.9"	0.87"	1.50

HOW TO ORDER

Example

NOMINAL SIZE

F G H
4" 4.5" 6"

X

TYPE OF MOUNTING

- 1 WALL/SURFACE/PROJECTION MOUNTING WITH BOTTOM
- 2 BOTTOM
- 3 LOWER BACK
- 5 LOWER BACK WITH FRONT FLANGE
- 6 LOWER BACK WITH MOUNTING BRACKET

X

GAUGE CONNECTION

- 2BM** 1/4"BSP(M)
2NM 1/4"NPT(M)
3BM 3/8"BSP(M)
3NM 3/8"NPT(M)
4BM 1/2"BSP(M)
4NM 1/2"NPT(M)
4MM M20 X 1.5(M)

XXX

***Please consult factory for any special connections

RANGE

E13

CODE	E1	E2	E3	E4	E5	E6	E7	E8	E9
RANGE (mbar/"WC)	-30"hg	-30"hg-15	-30"hg-30	-30"hg-60	-30"hg-100	-30"hg-160	-30"hg-200	-30"hg-300	15
CODE	E10	E11	E12	E13	E14	E15	E16	E17	E18
RANGE (mbar/"WC)	30	60	100	160	200	300	400	500	600

OPTIONAL EXTRAS

XX

- | | |
|--|--|
| SG OXYGEN SERVICE (FOR DRY VERSION) | CK EPOXY PAINTED CASE & BEZEL |
| OA ACCURACY + 0.5% OF F.S. | PS AISI 316 SS CASE & BEZEL |
| TI MONEL BOURDON & SOCKET (MONEL VERSION) | OS CASE WITH BAYONET TYPE BEZEL |
| TF TESTED TO NACE STANDARD | KA ON-OFF TYPE VENT PLUG |
| TB HELIUM LEAK TEST | SX SS TAG PLATE |
| SD AISI 316 SS MOVEMENT | SY AISI 316SS TAG PLATE |
| SF MOVEMENT WITH DAMPENING JELLY | SA INTERNAL OVERPRESSURE STOP |
| SI KNIFE EDGE POINTER | SB INTERNAL VACUUM STOP |
| RG ANTI PARALLAX MIRROR BAND DIAL | ZL OVER RANGE PROTECTION |
| RH CUSTOM DESIGNED DIAL | QB INTEGRAL DAMPENING SCREW (AISI 316 SS) |
| ZB RECEIVER RANGE | FL INTEGRAL DAMPENING SCREW (MONEL) |
| AT ATEX (AS PER 2014/34/EU) | FS FILLABLE LIQUID SILICON OIL |
| ZC FREON RANGE (WITH TEMPERATURE SCALE) | FG FILLABLE LIQUID GLYCERINE |
| ZD AMMONIA RANGE (WITH TEMPERATURE SCALE) | ZZ DIELECTRIC OIL FILLED |
| SW DIAL TAG MARKING | PX DAMPENING LIQUID FLOUROLUBE FILLED |
| RW PLEXI GLASS | PY DAMPENING LIQUID GLYCERINE OIL FILLED |
| RX SHATTERPROOF /SAFETY GLASS | PZ DAMPENING LIQUID MINERAL LIQUID FILLED |
| RZ TOUGHENED GLASS | QA DAMPENING LIQUID SILICON OIL FILLED |
| SJ MAXIMUM READING POINTER WITH PLEXI GLASS | GH MATERIAL TEST CERTIFICATES |
| FILLABLE VERSION | PW FIVE POINT CALIBRATION CERTIFICATE NATIONAL/ |
| ZM ELECTRO POLISHED CASE & BEZEL | INTERNATIONAL STANDARDS |

Ordering Example: P-09-X-X-XXX-(E13)-XX

SPECIAL FEATURES

Standard Followed ASME-B 40.1 / EN837-1
 Forged Brass Case
 Rugged Construction
 Dry or Liquid Version
 IP 65

SPECIFICATIONS

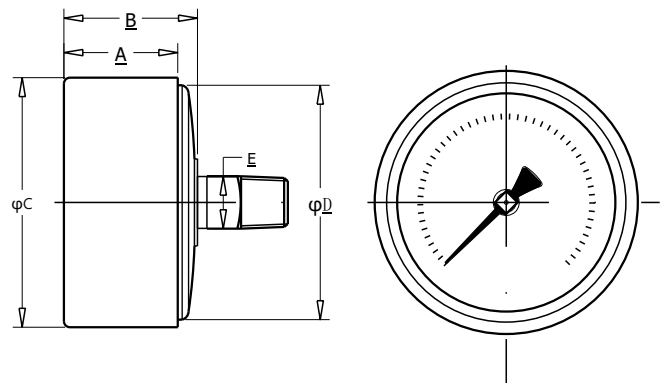
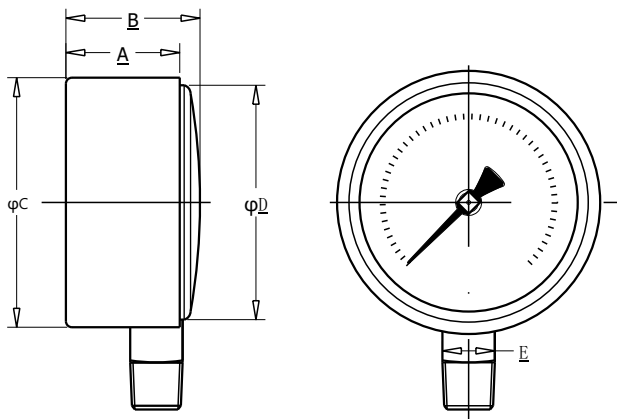
Ambient Temperature: -4°F(-20°C) to + 150°F (+65°C)
 Process Temperature: Max.248°F (120°C)
 Operating Pressure Range: 75% of Scale Value
 Over Pressure Limit: 125% of Max.Scale Value
 Case: Forged brass
 Joints: Alloy brazing/Soldering
 Socket: Copper Alloy
 Bourdon: Copper Alloy
 Movement: Copper Alloy
 Dial: Aluminum
 Pointer: Fixed
 Window: PC Lens
 Range: Vacuum to 6000PSI



ACCURACY AS PER ASME B.40.1/EN837-1

2.5" : 2-1-2(GRADE A)

*Please consult factory for better accuracy availability.



NS	A	B	φ C	φ D	E	Weight (lbs)
2.5"	1.2"	1.46"	2.58"	2.4"	0.55"	0.75

NS	A	B	φ C	φ D	E	Weight (lbs)
2.5"	1.2"	1.46"	2.58"	2.4"	0.55"	0.75

HOW TO ORDER

NOMINAL SIZE

D

2.5"

Example

X

TYPE OF MOUNTING

- 2 BOTTOM
- 4 CENTER BACK
- 7 CENTER BACK WITH FRONT FLANGE
- 8 CENTER BACK WITH MOUNTING BRACKET

X

GAUGE CONNECTION

- 2BM** 1/4"BSP(M)
- 2NM** 1/4"NPT(M)
- 3BM** 3/8"BSP(M)
- 3NM** 3/8"NPT(M)
- 4BM** 1/2"BSP(M)
- 4NM** 1/2"NPT(M)
- 4MM** M20 X 1.5(M)

XXX

***Please consult factory for any special connections

RANGE

E13

CODE	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13
RANGE (psi)	-30"hg	-30"hg-15	-30"hg-30	-30"hg-60	-30"hg-100	-30"hg-160	-30"hg-200	-30"hg-300	15	30	60	100	160
CODE	E14	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24	E25	E26
RANGE (psi)	200	300	400	500	600	800	1000	1500	2000	3000	4000	5000	6000

OPTIONAL EXTRAS

XX

- SF** MOVEMENT WITH DAMPENING JELLY
- RH** CUSTOM DESIGNED DIAL
- SW** DIAL TAG MARKING
- RW** PLEXI GLASS
- SQ** CASE WITH ROLLING TYPE BEZEL
- SX** SS TAG PLATE
- SY** AISI 316SS TAG PLATE
- FK** INTEGRAL DAMPENING SCREW (BRASS)

- FS** FILLABLE LIQUID SILICON OIL
- FG** FILLABLE LIQUID GLYCERINE
- PY** DAMPENING LIQUID GLYCERINE OIL FILLED
- QA** DAMPENING LIQUID SILICON OIL FILLED
- GH** MATERIAL TEST CERTIFICATES
- PW** FIVE POINT CALIBRATION CERTIFICATE NATIONAL/INTERNATIONAL STANDARDS

Ordering Example: P-18-X-X-XXX-(E13)-XX

SS CASE BRASS PRESSURE GAUGES

SPECIAL FEATURES

Standard Followed ASME-B 40.1 / EN837-3
 Compact Design
 External Zero Adjustable
 Ready For Oxygen Service
 IP 65

SPECIFICATIONS

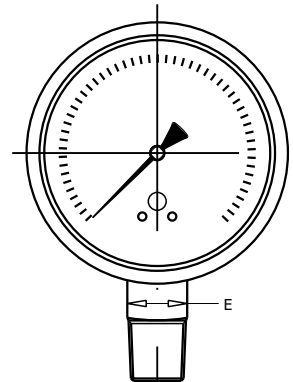
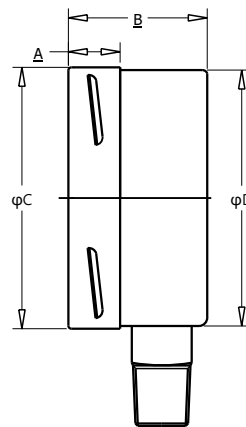
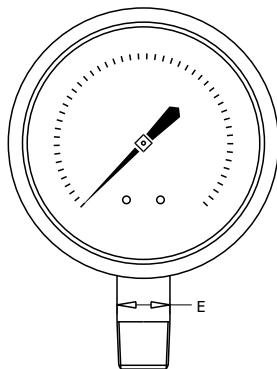
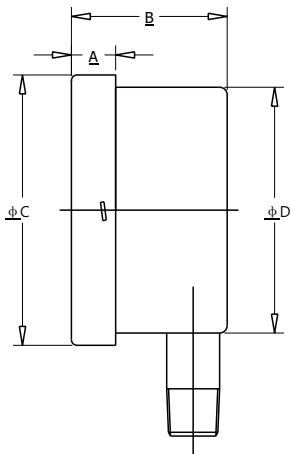
Ambient Temperature: -4°F(-20°C) to + 150°F(+65°C)
 Process Temperature: Max.212°F (100°C)
 Operating Pressure Range: 75% of Scale Value
 Over Pressure Limit: Not Suitable
 Case: AISI 304 SS
 Joints: Alloy brazing/Soldering
 Socket: Copper Alloy
 Capsule: Copper Alloy
 Movement: Copper Alloy
 Dial: Aluminum
 Pointer: Fixed
 Window: Sheet Glass
 Range: -250"WC - 0 to 0-250"WC



ACCURACY AS PER ASME B.40.1/EN837-3

2.5"/4"/6" 2-1-2 GRADE A)

*Please consult factory for better accuracy availability.



NS	A	B	φ C	φ D	E	Weight (lbs)
2.5"	0.5"	1.6"	2.8"	2.6"	0.6"	0.26

NS	A	B	φ C	φ D	E	Weight (lbs)
4"	0.6"	1.9"	4"	3.9"	0.87"	1.50
6"	0.6"	1.9"	6.3"	6.2"	0.87"	2.65

SS CASE BRASS PRESSURE GAUGES

HOW TO ORDER

NOMINAL SIZE

D	F	H
2.5"	4"	6"

Example

X

TYPE OF MOUNTING

- 1 WALL/SURFACE/PROJECTION MOUNTING WITH BOTTOM
- 2 BOTTOM
- 3 LOWER BACK
- 4 CENTER BACK
- 5 LOWER BACK WITH FRONT FLANGE
- 6 LOWER BACK WITH MOUNTING BRACKET
- 7 CENTER BACK WITH FRONT FLANGE
- 8 CENTER BACK WITH MOUNTING BRACKET

X

GAUGE CONNECTION

- 2BM** 1/4"BSP(M)
2NM 1/4"NPT(M)
3BM 3/8"BSP(M)
3NM 3/8"NPT(M)
4BM 1/2"BSP(M)
4NM 1/2"NPT(M)
4MM M20 X 1.5(M)

***Please consult factory for any special connections

XXX

RANGE

CODE	LPE1	LPE2	LPE3	LPE4	LPE5	LPE6	LPE7
RANGE ("WC)	-250-0	-160-0	-100-0	-60-0	-30-0	-15-0	-10-0
CODE	LPE8	LPE9	LPE10	LPE11	LPE12	LPE13	LPE14
RANGE ("WC)	-250-0	-160-0	-100-0	-60-0	-30-0	-15-0	-10-0

LPE9

OPTIONAL EXTRAS

- | | |
|--|--|
| SG OXYGEN SERVICE (FOR DRY VERSION) | RX SHATTERPROOF /SAFETY GLASS |
| SF MOVEMENT WITH DAMPENING JELLY | RZ TOUGHENED GLASS |
| RI 25mm BOD | ZM ELECTRO POLISHED CASE & BEZEL |
| SI KNIFE EDGE POINTER | CK EPOXY PAINTED CASE & BEZEL |
| FN 2" PIPE/YOKE MOUNTING BRACKET & 'U' CLAMP
(AISI 316 SS) | OS CASE WITH BAYONET TYPE BEZEL |
| RG ANTI PARALLAX MIRROR BAND DIAL | PS AISI 316 SS CASE & BEZEL |
| RH CUSTOM DESIGNED DIAL | KA ON-OFF TYPE VENT PLUG |
| AT ATEX (AS PER 2014/34/EU) | SX SS TAG PLATE |
| SW DIAL TAG MARKING | SY AISI 316SS TAG PLATE |
| RW PLEXI GLASS | FK INTEGRAL DAMPENING SCREW (BRASS) |

XX

Ordering Example: P-19-X-X-XXX-(LPE9)-XX

ALL SS SANITARY PRESSURE GAUGES

SPECIAL FEATURES

Standard Followed ASME-B 40.1 / EN837-3
 Wetted Parts AISI 316L Stainless Steel
 Build in Stabilizer Movement
 Diaphragm Seal Integrally Built With Gauge
 Dry or Liquid Version
 NACE MR 0175 Compliance
 Helium Leak Tested
 Provides Best Hygiene Factor
 IP 65

SPECIFICATIONS

Ambient Temperature: -4°F(-20°C) to + 150°F(+65°C)
 Process Temperature: Max.212°F (100°C)
 Operating Pressure Range: 75% of Scale Value
 Over Pressure Limit: 125% of Max.Scale Value
 Case: AISI 304 SS
 Joints: Tig Argon Arc Welding
 Socket: AISI 316L SS
 Bourdon: AISI 316L SS
 Movement: AISI 304 SS
 Diaphragm: AISI 316L SS
 Sanitary Seal: 1 1/2" in AISI 316 SS
 Dial: Aluminum
 Pointer: Fixed/Micro Zero Adjustable
 Window: Safety Glass
 Range: Vacuum to 600psi

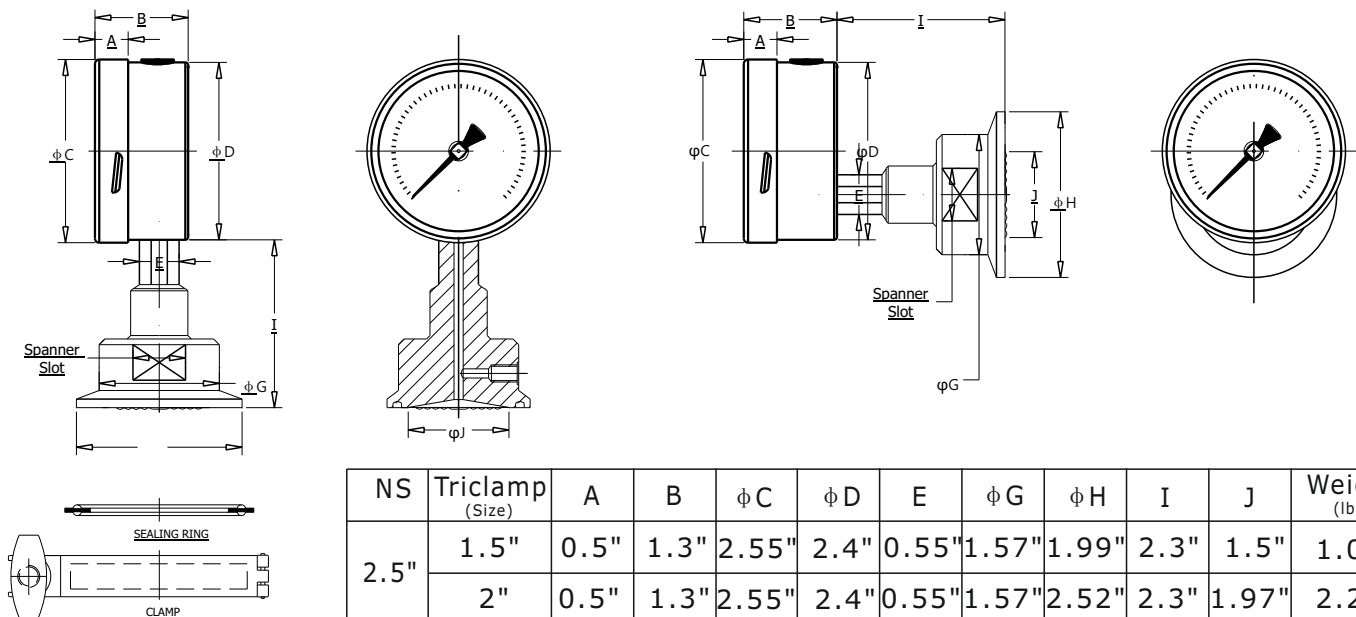


ACCURACY AS PER ASME B.40.1/EN837-3

2.5"/3" 2-1-2 (GRADE A)

4" : 1-1-1 (GRADE 1A)

*Please consult factory for better accuracy availability.



NS	Triclamp (Size)	A	B	φ C	φ D	E	φ G	φ H	I	J	Weight (lbs)
2.5"	1.5"	0.5"	1.3"	2.55"	2.4"	0.55"	1.57"	1.99"	2.3"	1.5"	1.01
	2"	0.5"	1.3"	2.55"	2.4"	0.55"	1.57"	2.52"	2.3"	1.97"	2.29
3"	1.5"	0.5"	1.5"	3.1"	3.05"	0.67"	1.57"	1.99"	2.3"	1.5"	1.56
	2"	0.5"	1.5"	3.1"	3.05"	0.67"	1.57"	2.52"	2.3"	1.97"	2.54
4"	1.5"	0.6"	1.9"	4"	3.9"	0.87"	1.57"	1.99"	2.3"	1.5"	1.81
	2"	0.6"	1.9"	4"	3.9"	0.87"	1.57"	2.52"	2.3"	1.97"	3.26

ALL SS SANITARY PRESSURE GAUGES

HOW TO ORDER

NOMINAL SIZE

D	E	F
2.5"	3"	4"

X

TYPE OF MOUNTING

- 2 BOTTOM
- 3 LOWER BACK
- 4 CENTER BACK

X

SANITARY SEAL (For 1" size sanitary seal, consult factory for drawing, price and delivery.)

- YO** 2" SANITARY SEAL IN AISI 316SS **YP** 2 1/2" SANITARY SEAL IN AISI 316 SS
- YN** 1 1/2" SANITARY SEAL IN AISI 316SS (Standard)

XXX

BODY

- CL** AISI 316SS (Standard) **CM** AISI 316L SS

XX

DIAPHRAGM

- UJ** AISI 316L (Standard)

XX

FILLING FLUIDS

- UV** FOOD GRADE OIL(-20 TO 140 / -4 TO 284 Standard)

XX

CLAMP

- ZO** 1 1/2" CLAMP IN AISI 304 **ZQ** 2 1/2" CLAMP IN AISI 304
- ZP** 2" CLAMP IN AISI 304

XX

GASKET (SEALING RING)

- FX** 1 1/2" SILICON GASKET **FZ** 2 1/2" SILICON GASKET
- FY** 2" SILICON GASKET

XX

BOTTOM MATING PART

- KB** 2 1/2" SANITARY SEAL IN AISI 316 **KD** 2 1/2" SANITARY SEAL IN AISI 316
- KD** 1 1/2" SANITARY SEAL IN AISI 316

XX

RANGE

E13

CODE	E1	E2	E3	E4	E5	E6	E7	E8	E9
RANGE (psi)	-30"hg	-30"hg-15	-30"hg-30	-30"hg-60	-30"hg-100	-30"hg-160	-30"hg-200	-30"hg-300	15
CODE	E10	E11	E12	E13	E14	E15	E16	E17	E18
RANGE (psi)	30	60	100	160	200	300	400	500	600

OPTIONAL EXTRAS AS PER P-25

XX

Ordering Example: P-20-X-X-XXX-XX-XX-XX-XX-XX-XX-(E13)-XX

SPECIAL FEATURES

Standard Followed ASME-B 40.1 / EN837-1
Wetted Parts AISI 316L Stainless Steel
Build in Stabilizer Movement
Dry or Liquid Version
NACE MR 0175 Compliance
Helium Leak Tested
External Zero Adjustable
40mm Temperature Compensated Blow Out Disc
Internal Vacuum/ Over Pressure Stops
High Range from 15,000 psi
IP 66

SPECIFICATIONS

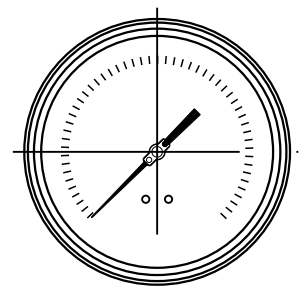
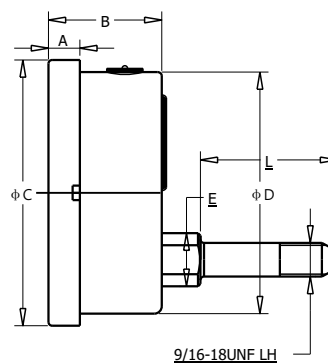
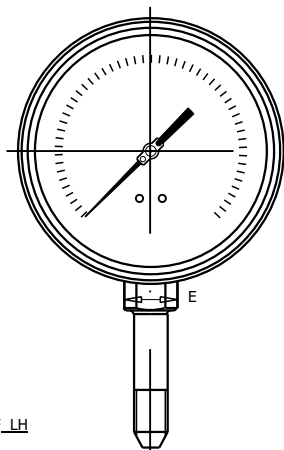
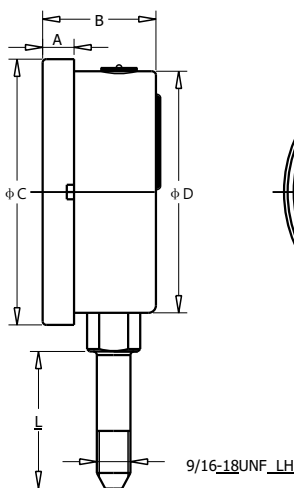
Ambient Temperature: -4°F (-20°C) to +150°F (+65°C)
Process Temperature: Max. 212°F (100°C)
Operating Pressure Range: 75% of Scale Value
Over Pressure Limit: 125% of Max. Scale Value
Case: AISI 304 SS
Joints: Tig Argon Arc Welding
Socket: AISI 316L SS
Bourdon: AISI 316L SS
Movement: AISI 304 SS
Dial: Aluminum
Pointer: Micro Zero Adjustable
Window: Safety Glass
Range: 15,000psi-60,000psi

ACCURACY AS PER ASME B.40.1/EN837-1

2.5" : 2-1-2 GRADE A)

4"/4.5"/6" : 1-1-1 (GRADE 1A)

*Please consult factory for better accuracy availability.



NS	A	B	φ C	φ D	E	L	Weight (lbs)
2.5"	0.4"	1.5"	2.7"	2.4"	0.5"	1.3"	0.40
4"	0.5"	1.87"	4.4"	4"	0.87"	2.5"	1.32
4.5"	0.6"	1.87"	5"	4.5"	0.87"	2.5"	1.41
6"	0.6"	1.87"	6.4"	5.9"	0.87"	2.5"	2.65

NS	A	B	φ C	φ D	E	L	Weight (lbs)
2.5"	0.4"	1.5"	2.7"	2.4"	0.5"	1.3"	0.40
4"	0.5"	1.87"	4.4"	4"	0.87"	2.5"	1.32
4.5"	0.6"	1.87"	5"	4.5"	0.87"	2.5"	1.41
6"	0.6"	1.87"	6.4"	5.9"	0.87"	2.5"	2.65

HOW TO ORDER

NOMINAL SIZE

D	F	G	H
2.5"	4"	4.5"	6"

Example

X

TYPE OF MOUNTING

- 1 WALL/SURFACE/PROJECTION MOUNTING WITH BOTTOM
- 2 BOTTOM
- 3 LOWER BACK
- 5 LOWER BACK WITH FRONT FLANGE
- 6 LOWER BACK WITH MOUNTING BRACKET
- 7 CENTER BACK WITH FRONT FLANGE
- 8 CENTER BACK WITH MOUNTING BRACKET

X

GAUGE CONNECTION

- 2BM** 1/4"BSP(M)
2NM 1/4"NPT(M)
3BM 3/8"BSP(M)
3NM 3/8"NPT(M)
4BM 1/2"BSP(M)
4NM 1/2"NPT(M)
4MM M20 X 1.5(M)
9UM 9/16"UNF(M)
2HF 1/4"HP(F)
2HM 1/4"HP(M)

***Please consult factory for any special connections

XXX

RANGE

CODE	E29	E30	E31	E32	E33
RANGE (psi)	15000	20000	25000	30000	35000
CODE	E34	E35	E36	E37	
RANGE (psi)	40000	50000	55000	60000	

E29

OPTIONAL EXTRAS

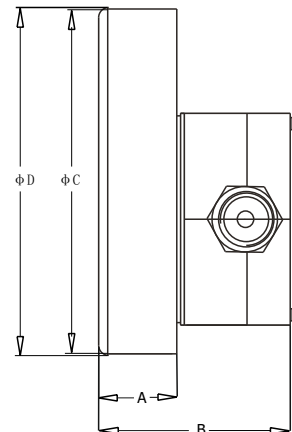
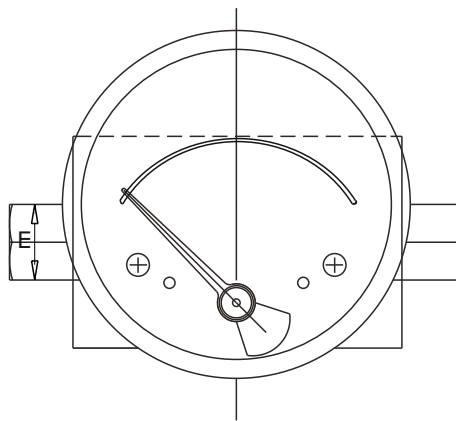
- | | |
|--|---|
| <p> SG OXYGEN SERVICE (FOR DRY VERSION)
 OA ACCURACY + 0.5% OF F.S.
 TI MONEL BOURDON & SOCKET (MONEL VERSION)
 TF TESTED TO NACE STANDARD
 TB HELIUM LEAK TEST
 SD AISI 316 SS MOVEMENT
 SF MOVEMENT WITH DAMPENING JELLY
 RI 25mm BOD
 SI KNIFE EDGE POINTER
 FN 2" PIPE/YOKE MOUNTING BRACKET & 'U' CLAMP (AISI 316 SS)
 RG ANTI PARALLAX MIRROR BAND DIAL
 RH CUSTOM DESIGNED DIAL
 ZB RECEIVER RANGE
 AT ATEX (AS PER 2014/34/EU)
 ZC FREON RANGE (WITH TEMPERATURE SCALE)
 ZD AMMONIA RANGE (WITH TEMPERATURE SCALE)
 SW DIAL TAG MARKING
 RW PLEXI GLASS
 RX SHATTERPROOF /SAFETY GLASS
 RZ TOUGHENED GLASS
 SJ MAXIMUM READING POINTER WITH PLEXI GLASS FILLABLE VERSION </p> | <p> ZM ELECTRO POLISHED CASE & BEZEL
 CK EPOXY PAINTED CASE & BEZEL
 SQ CASE WITH ROLLING TYPE BEZEL
 OS CASE WITH BAYONET TYPE BEZEL
 PS AISI 316 SS CASE & BEZEL
 KA ON-OFF TYPE VENT PLUG
 SX SS TAG PLATE
 SY AISI 316SS TAG PLATE
 SA INTERNAL OVERPRESSURE STOP
 SB INTERNAL VACUUM STOP
 ZL OVER RANGE PROTECTION
 QB INTEGRAL DAMPENING SCREW (AISI 316 SS)
 FL INTEGRAL DAMPENING SCREW (MONEL)
 FS FILLABLE LIQUID SILICON OIL
 FG FILLABLE LIQUID GLYCERINE
 ZZ DIELECTRIC OIL FILLED
 PX DAMPENING LIQUID FLOUROLUBE FILLED
 PY DAMPENING LIQUID GLYCERINE OIL FILLED
 PZ DAMPENING LIQUID MINERAL LIQUID FILLED
 QA DAMPENING LIQUID SILICON OIL FILLED
 GH MATERIAL TEST CERTIFICATES
 PW FIVE POINT CALIBRATION CERTIFICATE NATIONAL/ INTERNATIONAL STANDARDS </p> |
|--|---|

XX

Ordering Example: P-21-X-X-XXX-(E29)-XX

SPECIFICATIONS

Accuracy	±3% Of The FSD (Ascending)
Migration	Minor From High To Low Port
Range	0-0.25 to 0-10bar/psi or psi/kPa Dual Scale
First Marking On The Scale	15% Of The FSD
Sensing Element	Magnetic Piston With Compression Spring
Wetted Parts	SS316, SS 302 Compression Spring, Seals & Ceramic Magnet
Case Material & Dial Size	Stainless Steel (SS 304): 2.5", 3.5", 4.0"
	Engineering Polymer: 2.5"
	Bayonet: 4.0"
Mounting	Direct, Front Flange, 2" Pipe & Surface Mounting
Maximum Working Pressure	100, 250 & 400 bar
Maximum Process Temperature	0 to 80°C (32 to 175°F)
Enclosure	Engineering Polymer
Seals	Buna-N & Viton
Window	Float Glass (std.), Toughened Glass, Acrylic & Safety Glass
Connection	1/4" BSP(F) Std. Optional 1/4" NPT(F)
Porting	In-line
Over Range Protection	Up To The Max. Working Pressure From High & Low Side
Protection For Gauge & Switch	IP 65



NS	A	B	φ C	φ D	E
2.5"	0.75"	1.73"	2.5"	2.6"	2.7"
3.5"	0.75"	1.73"	3.1"	3.1"	3.3"
4"	0.75"	1.73"	4.0"	4"	4.1"

HOW TO ORDER

1.Series	P-22
2.Type	G Gauge GS Gauge + Switch
3.Body Material	S SS-316 Enclosed In Polymer Casing
4.Dial Size	2.5 2.5"(63mm) 3.5 3.5"(80mm) 4.0 4.0"(100mm)
5.Connection	4B 1/4"BSP(F)(Std.) 4N 1/4"NPT(F) ZZ Special Connection Sizes Using Adaptor
6.Porting	1 In-Line
7.Case	S4 SS 304(Std.) S6 SS 316 F4 SS 304 Flange EP Engineering Polymer(Available In 2.5" Only) BF Bayonet(Available In 4.0" Safety Glass Only) F Glass(std.) A Acrylic T Toughened glass L Safety glass
8.Window	
9.Seals/Diaphragm	B Buna-N(std.) V Viton

10.Switch

0: NONE
1: ONE SPST,with a DIN plug
3: TWO SPSTs with DIN Plug

+

SPST Specification (AC/DC Max.)			
1 Standard	2	3	4
10 VA	40 VA	100 VA	60 VA
100 V	230 V	300 V	240 V
0.5 Amp	1 Amp	1 Amp	3 Amp
Adjustable	Adjustable	Adjustable	Adjustable

5: ONE SPDT, with DIN Plug
7: TWO SPDTs with DIN Plug

+

SPDT Specification (AC/DC Max.)			
1 Standard	2	3	4
3 VA	5 VA	5 VA	60 VA
30 V	125 V	175 V	400 V
0.3 Amp	0.25 Amp	0.25 Amp	1 Amp
Adjustable	Adjustable	Adjustable	Factory set

Example: Switch selection 11 is : 1 ONE SPST with DIN PLUG , with switch specifications
10 VA ,100V ,0.5 Amp

11.Range

Standard Ranges:(Other Ranges & Units On Request)

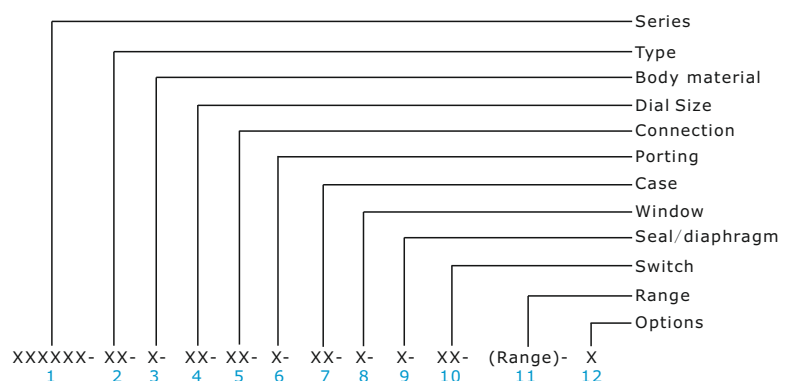
Bar	0.25	0.4	0.6	1.0	1.6	2.0	2.5	3.0	4.0	6.0	10.0
psi	3.5	6.0	9.0	15	24	30	36	45	60	90	140

12.Options

0	None
250	Max.Working Pressure 250bar
400	Max.Working Pressure 400bar
A	Glycerine*
B	Red Follower Pointer On Acrylic Window*
C	Customer Logo
D	Dual Scale
E	Colour Band(Available In Single Scale Only)
F	Filter Mesh In(+) Connection
G	Reverse Port**
S	Silicone Oil*
M1	2" Horizontal Pipe Mounting Bracket
M2	Surface Mounting Bracket
M3	2" vertical pipe Mounting Bracket
M4	Engineering Polymer Mounting Bracket

*Affects Accuracy

**Pointer Moves From Right To Left



SPECIAL FEATURES

Economy Version
Black Steel Case And Plastic
Chrome Plated Block Valve
Standard Followed AMSE -B.40.1/EN837-1
IP:52

SPECIFICATIONS

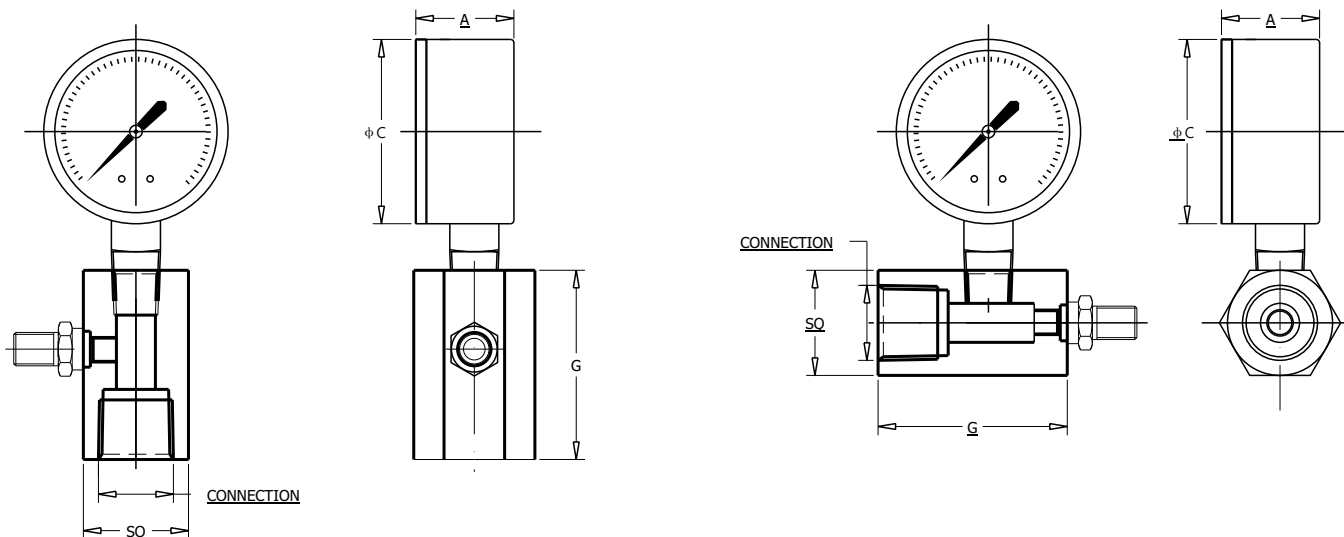
Ambient Temperature: -4°F (-20°C) to + 150°F (+65°C)
Process Temperature: Max.248°F (120°C)
Operating Pressure Range: 75% of Scale Value
Over Pressure Limit: 125% of Max.Scale Value
Case: Black Steel Case
Joints: Alloy Brazing/Soldering
Socket: Copper Alloy
Bourdon: Copper Alloy
Movement: Copper Alloy
Block:Chrome Plated Steel Block
Dial: Aluminum
Pointer: Fixed
Window: Snap-in Plastic lens
Range: 15psi to 300psi



ACCURACY AS PER ASME B.40.1/EN837-1

2" 3-2-3 GRADE B)

*Please consult factory for better accuracy availability.



CONNECTION	A	φC	E	G	SQ	Weight (lbs)
1/2"NPT	1.1"	2"	0.55"	2.13"	1.18"	0.71
3/4"NPT	1.1"	2"	0.55"	2.13"	1.18"	0.71
1"NPT	1.1"	2"	0.55"	2.13"	1.42"	0.71

CONNECTION	A	φC	E	G	SQ	Weight (lbs)
1/2"NPT	1.1"	2"	0.55"	2.13"	1.18"	0.71
3/4"NPT	1.1"	2"	0.55"	2.13"	1.18"	0.71
1"NPT	1.1"	2"	0.55"	2.13"	1.42"	0.71

HOW TO ORDER

NOMINAL SIZE

C

2"

Example

X

TYPE OF MOUNTING

2 BOTTOM

X

GAUGE CONNECTION

2BM 1/4"BSP(M)
2NM 1/4"NPT(M)
2TM 1/4"BSPT(M)
3BM 3/8"BSP(M)
3NM 3/8"NPT(M)

***Please consult factory for any special connections

XXX

BLOCK MOUNTING

V Vertical

H Horizontal

XXX

BLOCK CONNECTION

8NF 1"NPT(F)
4NF 1/2"NPT(F) STANDARD

6NF 3/4"NPT(F)

XXX

RANGE

E13

CODE	E9	E10	E11	E12
RANGE (psi)	15	30	60	100
CODE	E13	E14	E15	
RANGE (psi)	160	200	300	

Ordering Example: P-23-X-X-XXX-XX-XX-(E13)

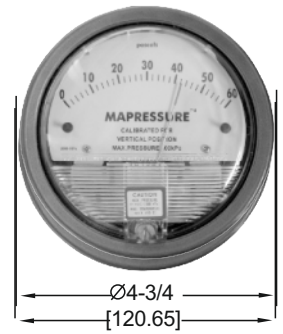
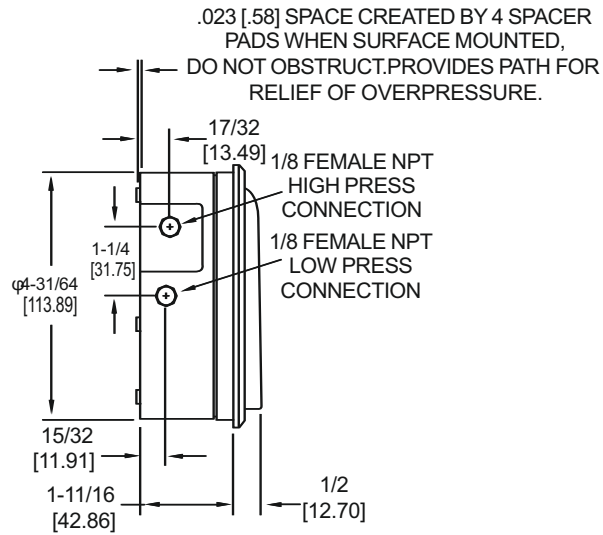
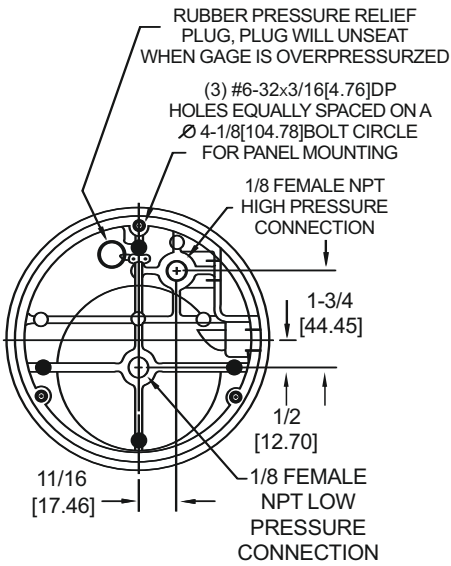
SPECIAL FEATURES

Die Cast Aluminum
 And Chrome body Part After
 168 Hours Salt Bath Test
 The Final Coating Of Dark Gray Exterior
 Indicate Low Air Or Non-Corrosive gas
 Pressure-eighter Positive
 Negative(vacuum) Of Differential
 The Design Resists Shock
 Vibration and Over-pressures
 No Manometer Fluid To Evaporate
 Freeze Or Cause Toxic Or Leving Problems



SPECIFICATIONS

Dimension: 4-3/4"dia.x2-3/16"Deep
 Weight: 1 lb.2oz.(510g)
 Fonished: Back Dark Gary Enamel
 Connection: 1/8"NPT(F) Hight And Low Pressure Taps
 Duplicated,One Pair Siad And One Pair Back
 Accuracy: +4% Of Full Scale,At 70°F(21. 1°C)
 Pressure Rating: 15 psi(1.03bar)
 Ambient Temperature: 20-140°F (-7-60°C)
 Standard Gage Accessories: 1/8"NPT(M)Plugs For Duplicate Pressure Taps
 1/8"NPT(M)Pipe Threat To Rubber Tubing Adapters
 And Three Flush Monting Adapters With Screws



SPECIAL FEATURES

Standard Followed ASME-B 40.1 / EN837-1
Wetted Parts AISI 316L Stainless Steel
Build in Stabilizer Movement
Dry or Liquid Version
NACE MR 0175 Compliance
Helium Leak Tested
40mm Temperature Compensated Blow Out Disc
Internal Vacuum/ Over Pressure Stops
IP 66

SPECIFICATIONS

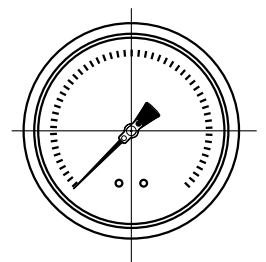
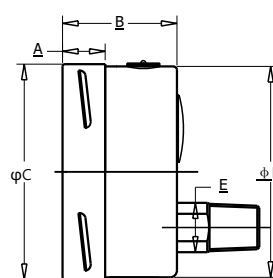
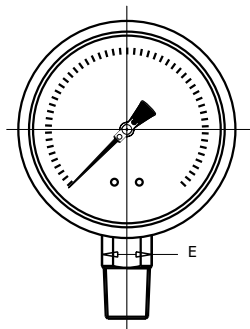
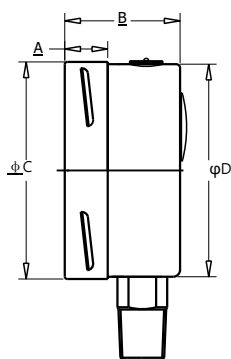
Ambient Temperature: -4°F (-20°C) to +150°F(+65°C)
Process Temperature: Max.392°F (200°C)
Operating Pressure Range: 75% of Scale Value
Over Pressure Limit: 125% of Max.Scale Value
Case: AISI 304 SS
Joints: Tig Argon Arc Welding
Socket: AISI 316L SS
Bourdon: AISI 316L SS
Movement: AISI 304 SS
Dial: Aluminum
Pointer: Micro Zero Adjustable
Window: Safety Glass
Range: Vacuum to 10,000psi

ACCURACY AS PER ASME B.40.1/EN837-1

2.5"/3" : 2-1-2 (GRADE A)

4"/6"/8"/10" : 1-1-1 (GRADE 1A)

*Please consult factory for better accuracy availability.



NS	A	B	φ C	φ D	E	Weight (lbs)
2.5"	0.5"	1.3"	2.5"	2.44"	0.55"	0.40
3"	0.55"	1.56"	3.1"	3"	0.67"	0.60
4"	0.67"	1.93"	3.95"	3.9"	0.87"	1.32
6"	0.68"	1.97"	6.34"	6.2"	0.87"	2.64
8"	0.68"	2"	7.87"	7.64"	0.87"	3.97
10"	0.68"	2"	9.84"	9.74"	0.87"	4.85

NS	A	B	φ C	φ D	E	Weight (lbs)
2.5"	0.5"	1.3"	2.5"	2.44"	0.55"	0.40
3"	0.55"	1.56"	3.1"	3"	0.67"	0.60
4"	0.67"	1.93"	3.95"	3.9"	0.87"	1.32
6"	0.68"	1.97"	6.34"	6.2"	0.87"	2.64
8"	0.68"	2"	7.87"	7.64"	0.87"	3.97
10"	0.68"	2"	9.84"	9.74"	0.87"	4.85

HOW TO ORDER

NOMINAL SIZE

D	E	F	H	I	J
2.5"	3"	4"	6"	8"	10"

Example

X

TYPE OF MOUNTING

- 1 WALL/SURFACE/PROJECTION MOUNTING WITH BOTTOM
- 2 BOTTOM
- 3 LOWER BACK
- 4 CENTER BACK
- 5 LOWER BACK WITH FRONT FLANGE
- 6 LOWER BACK WITH MOUNTING BRACKET
- 7 CENTER BACK WITH FRONT FLANGE
- 8 CENTER BACK WITH MOUNTING BRACKET

X

GAUGE CONNECTION

- 2BM** 1/4"BSP(M)
2NM 1/4"NPT(M)
3BM 3/8"BSP(M)
3NM 3/8"NPT(M)
4BM 1/2"BSP(M)
4NM 1/2"NPT(M)
4MM M20 X 1.5(M)
4TM 1/2" BSPT(M)

XXX

***Please consult factory for any special connections

RANGE

CODE	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14
RANGE (psi)	-30"hg	-30"hg-15	-30"hg-30	-30"hg-60	-30"hg-100	-30"hg-160	-30"hg-200	-30"hg-300	15	30	60	100	160	200
CODE	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24	E25	E26	E27	E28
RANGE (psi)	300	400	500	600	800	1000	1500	2000	3000	4000	5000	6000	7500	10000

E13

OPTIONAL EXTRAS

- | | |
|--|---|
| <p> SG OXYGEN SERVICE (FOR DRY VERSION)
 OA ACCURACY + 0.5% OF F.S.
 TI MONEL BOURDON & SOCKET (MONEL VERSION)
 TF TESTED TO NACE STANDARD
 TB HELIUM LEAK TEST
 SD AISI 316 SS MOVEMENT
 SF MOVEMENT WITH DAMPENING JELLY
 RI 25mm BOD
 SI KNIFE EDGE POINTER
 FN 2" PIPE/YOKE MOUNTING BRACKET & 'U' CLAMP (AISI 316 SS)
 RG ANTI PARALLAX MIRROR BAND DIAL
 RH CUSTOM DESIGNED DIAL
 ZB RECEIVER RANGE
 AT ATEX (AS PER 2014/34/EU)
 ZC FREON RANGE (WITH TEMPERATURE SCALE)
 ZD AMMONIA RANGE (WITH TEMPERATURE SCALE)
 SW DIAL TAG MARKING
 RW PLEXI GLASS
 RX SHATTERPROOF /SAFETY GLASS
 RZ TOUGHENED GLASS
 SJ MAXIMUM READING POINTER WITH PLEXI GLASS FILLABLE VERSION </p> | <p> ZM ELECTRO POLISHED CASE & BEZEL
 CK EPOXY PAINTED CASE & BEZEL
 SQ CASE WITH ROLLING TYPE BEZEL
 PS AISI 316 SS CASE & BEZEL
 KA ON-OFF TYPE VENT PLUG
 SX SS TAG PLATE
 SY AISI 316SS TAG PLATE
 SA INTERNAL OVERPRESSURE STOP
 SB INTERNAL VACUUM STOP
 ZL OVER RANGE PROTECTION
 QB INTEGRAL DAMPENING SCREW (AISI 316 SS)
 FL INTEGRAL DAMPENING SCREW (MONEL)
 FS FILLABLE LIQUID SILICON OIL
 FG FILLABLE LIQUID GLYCERINE
 ZZ DIELECTRIC OIL FILLED
 PX DAMPENING LIQUID FLUOROLUBE FILLED
 PY DAMPENING LIQUID GLYCERINE OIL FILLED
 PZ DAMPENING LIQUID MINERAL LIQUID FILLED
 QA DAMPENING LIQUID SILICON OIL FILLED
 GH MATERIAL TEST CERTIFICATES
 PW FIVE POINT CALIBRATION CERTIFICATE NATIONAL/ INTERNATIONAL STANDARDS </p> |
|--|---|

XX

Ordering Example: P-25-X-X-XXX-(E13)-XX

SPECIAL FEATURES

Standard Followed ASME-B 40.1 / EN837-1
Wetted Parts MONEL
Build in Stabilizer Movement
Dry or Liquid Version
NACE MR 0175 Compliance
Helium Leak Tested
40mm Temperature Compensated Blow Out Disc
Internal Vacuum/ Over Pressure Stops
IP 66

SPECIFICATIONS

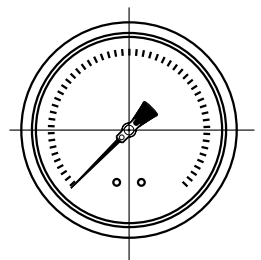
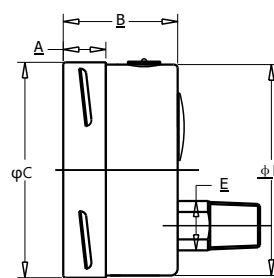
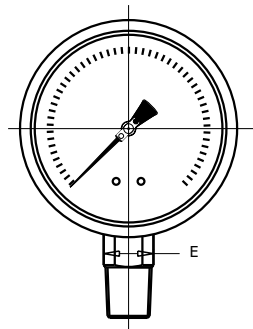
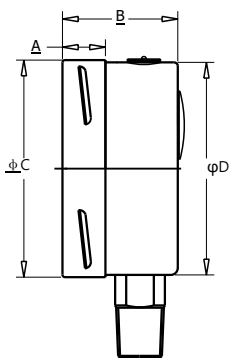
Ambient Temperature: -4°F(-20°C) to +150°F(+65°C)
Process Temperature: Max.392°F (200°C)
Operating Pressure Range: 75% of Scale Value
Over Pressure Limit: 125% of Max.Scale Value
Case: AISI 304 SS
Joints: Tig Argon Arc Welding
Socket: MONEL
Bourdon: MONEL
Movement: AISI 304 SS
Dial:Aluminum
Pointer: Micro Zero Adjustable
Window: Safety Glass
Range: Vacuum to 10,000psi



ACCURACY AS PER ASME B.40.1/EN837-1

2.5"/3" : 2-1-2 (GRADE A)
4"/4.5"/6"/8"/10" : 1-1-1 (GRADE 1A)

*Please consult factory for better accuracy availability.



NS	A	B	φ C	φ D	E	Weight (lbs)
2.5"	0.5"	1.3"	2.5"	2.44"	0.55"	0.40
3"	0.55"	1.56"	3.1"	3"	0.67"	0.60
4"	0.67"	1.93"	3.95"	3.9"	0.87"	1.32
6"	0.68"	1.97"	6.34"	6.2"	0.87"	2.64
8"	0.68"	2"	7.87"	7.64"	0.87"	3.97
10"	0.68"	2"	9.84"	9.74"	0.87"	4.85

NS	A	B	φ C	φ D	E	Weight (lbs)
2.5"	0.5"	1.3"	2.5"	2.44"	0.55"	0.40
3"	0.55"	1.56"	3.1"	3"	0.67"	0.60
4"	0.67"	1.93"	3.95"	3.9"	0.87"	1.32
6"	0.68"	1.97"	6.34"	6.2"	0.87"	2.64
8"	0.68"	2"	7.87"	7.64"	0.87"	3.97
10"	0.68"	2"	9.84"	9.74"	0.87"	4.85

HOW TO ORDER

NOMINAL SIZE	D	E	F	G	H	I	J
	2.5"	3"	4"	4.5"	6"	8"	10"

X

TYPE OF MOUNTING

- 1 WALL/SURFACE/PROJECTION MOUNTING WITH BOTTOM
- 2 BOTTOM
- 3 LOWER BACK
- 5 LOWER BACK WITH FRONT FLANGE
- 6 LOWER BACK WITH MOUNTING BRACKET
- 7 CENTER BACK WITH FRONT FLANGE
- 8 CENTER BACK WITH MOUNTING BRACKET

X

GAUGE CONNECTION

- 2BM** 1/4"BSP(M)
2NM 1/4"NPT(M)
4BM 1/2"BSP(M)
4NM 1/2"NPT(M)

***Please consult factory for any special connections

XXX

RANGE

CODE	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14
RANGE (mbar/"WC)	-30"hg	-30"hg-15	-30"hg-30	-30"hg-60	-30"hg-100	-30"hg-160	-30"hg-200	-30"hg-300	15	30	60	100	160	200
CODE	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24	E25	E26	E27	E28
RANGE (mbar/"WC)	300	400	500	600	800	1000	1500	2000	3000	4000	5000	6000	7500	10000

E13

OPTIONAL EXTRAS

- | | |
|--|--|
| <p>SG OXYGEN SERVICE (FOR DRY VERSION)
 OA ACCURACY + 0.5% OF F.S.
 TF TESTED TO NACE STANDARD
 TB HELIUM LEAK TEST
 SD AISI 316 SS MOVEMENT
 SF MOVEMENT WITH DAMPENING JELLY
 RI 25mm BOD
 SI KNIFE EDGE POINTER
 FN 2" PIPE/YOKE MOUNTING BRACKET & 'U' CLAMP (AISI 316 SS)
 RG ANTI PARALLAX MIRROR BAND DIAL
 RH CUSTOM DESIGNED DIAL
 ZB RECEIVER RANGE
 AT ATEX (AS PER 2014/34/EU)
 ZC FREON RANGE (WITH TEMPERATURE SCALE)
 ZD AMMONIA RANGE (WITH TEMPERATURE SCALE)
 SW DIAL TAG MARKING
 RW PLEXI GLASS
 RX SHATTERPROOF /SAFETY GLASS
 RZ TOUGHENED GLASS
 SJ MAXIMUM READING POINTER WITH PLEXI GLASS FILLABLE VERSION</p> | <p>ZM ELECTRO POLISHED CASE & BEZEL
 CK EPOXY PAINTED CASE & BEZEL
 SQ CASE WITH ROLLING TYPE BEZEL
 PS AISI 316 SS CASE & BEZEL
 KA ON-OFF TYPE VENT PLUG
 SX SS TAG PLATE
 SY AISI 316SS TAG PLATE
 SA INTERNAL OVER PRESSURE STOP
 SB INTERNAL VACUUM STOP
 ZL OVER RANGE PROTECTION
 QB INTEGRAL DAMPENING SCREW (AISI 316 SS)
 FL INTEGRAL DAMPENING SCREW (MONEL)
 FS FILLABLE LIQUID SILICON OIL
 FG FILLABLE LIQUID GLYCERINE
 ZZ DIELECTRIC OIL FILLED
 PX DAMPENING LIQUID FLUOROLUBE FILLED
 PY DAMPENING LIQUID GLYCERINE OIL FILLED
 PZ DAMPENING LIQUID MINERAL LIQUID FILLED
 QA DAMPENING LIQUID SILICON OIL FILLED
 GH MATERIAL TEST CERTIFICATES
 PW FIVE POINT CALIBRATION CERTIFICATE NATIONAL/ INTERNATIONAL STANDARDS</p> |
|--|--|

XX

Ordering Example: P-26-X-X-XXX-(E13)-XX

SPECIAL FEATURES

Wetted Parts AISI 316L Stainless Steel
 Dry or Liquid Version
 NACE MR 0175 Compliance
 Helium Leak Tested
 Internal Vacuum/ Over Pressure Stops
 IP:65

SPECIFICATIONS

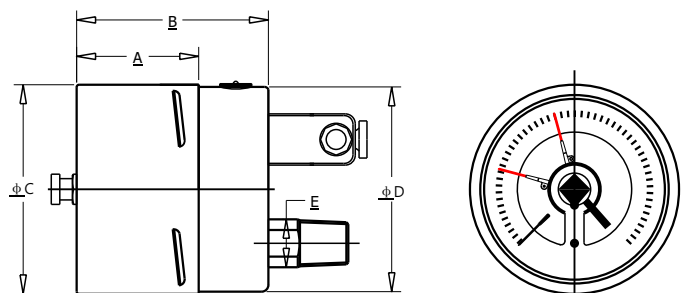
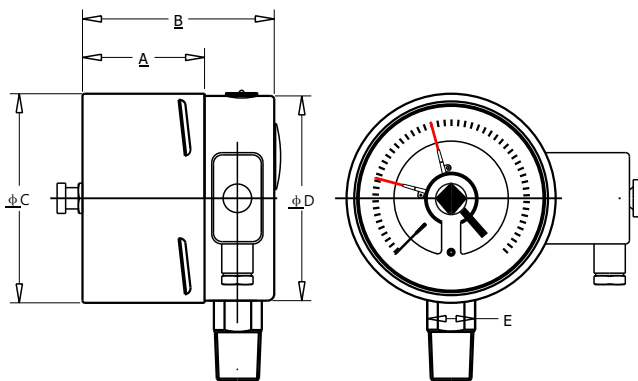
Ambient Temperature: -4°F (-20°C) to +150°F(+65°C)
 Process Temperature: Max.392°F (200°C)
 Operating Pressure Range: 75% of Scale Value
 Over Pressure Limit: 125% of Max.Scale Value
 Case: AISI 304 SS
 Joints: Tig Argon Arc Welding
 Socket: AISI 316L SS
 Bourdon: AISI 316L SS
 Movement: AISI 304 SS
 Dial:Aluminum
 Pointer: Fixed
 Contact: Silver-Nickel
 Window: Safety Glass
 Range: Vacuum to 10,000PSI



ACCURACY AS PER ASME B.40.1/EN837-1

4"/6" : 1-1-1 (GRADE 1A)

*Please consult factory for better accuracy availability.



NS	A	B	φ C	φ D	E	Weight (lbs)
4"	2.2"	3.46"	3.95"	3.9"	0.87"	2.50
6"	2.13"	3.4"	6"	5.87"	0.87"	3.20

NS	A	B	φ C	φ D	E	Weight (lbs)
4"	2.2"	3.46"	3.95"	3.9"	0.87"	2.50

HOW TO ORDER

NOMINAL SIZE

F

H

TYPE OF MOUNTING

4"

6"

- 1 WALL/SURFACE/PROJECTION MOUNTING WITH BOTTOM
- 2 BOTTOM
- 3 LOWER BACK
- 5 LOWER BACK WITH FRONT FLANGE
- 6 LOWER BRCK WITH MOUNYING BRACKET

GAUGE CONNECTION

- 2BM** 1/4"BSP(M)
2NM 1/4"NPT(M)
3BM 3/8"BSP(M)
3NM 3/8"NPT(M)
4BM 1/2"BSP(M)
4NM 1/2"NPT(M)
4MM M20 X 1.5(M)
4TM 1/2"BSPT(M)

***Please consult factory for any special connections

ELECTRIC CONTACTS

A) SINGLE INSULATED MAGNETIC SNAP ACTION TYPE*
 (230 V AC, 1 Amp.) (48 V DC, 0.5 Amp)

B) INDUCTIVE TYPE (220 V AC, 0.4 Amp.)

- RJ** Single; NORMALLY CLOSED(1NC)
RK Double; NORMALLY CLOSED+NORMALLY OPEN(1NC+1NO)
RL Single; NORMALLY OPEN(1NO)
RM Double; NORMALLY OPEN+NORMALLY CLOSED(1NO+1NC)
RN Double; NORMALLY CLOSED (BOTH NC)
RO Double; NORMALLY OPEN(BOTH NO)
RU BOOSTER WITH RELAY FOR CURRENT UPTO 5 Amp
RA SPDT
RC DPDT

- YW** Single; NORMALLY OPEN(1NO)
YV Single; NORMALLY CLOSED(1NC)
YX Double; NORMALLY CLOSED+NORMALLY OPEN(1NC+1NO)
YY Double; NORMALLY OPEN(BOTH NO)
YZ Double; NORMALLY CLOSED(BOTH NC)
ZA Double; NORMALLY OPEN+NORMALLY CLOSED(1NO+1NC)

*FOR DOUBLE INSULATED ELECTRICAL CONTACTS, CONSULT FACTORY FOR PRICE & DELIVERY.

RANGE

CODE	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14
RANGE (psi)	-30"hg	-30"hg-15	-30"hg-30	-30"hg-60	-30"hg-100	-30"hg-160	-30"hg-200	-30"hg-300	15	30	60	100	160	200
CODE	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24	E25	E26	E27	E28
RANGE (psi)	300	400	500	600	800	1000	1500	2000	3000	4000	5000	6000	7500	10,000

OPTIONAL EXTRAS

- SG** OXYGEN SERVICE (FOR DRY VERSION)
TI MONEL BOURDON & SOCKET (MONEL VERSION)
TF TESTED TO NACE STANDARD
TB HELIUM LEAK TEST
SD AISI 316 SS MOVEMENT
SF MOVEMENT WITH DAMPENING JELLY
RI 25mm BOD
FN 2" PIPE/YOKE MOUNTING BRACKET & 'U' CLAMP (AISI 316 SS)
RG ANTI PARALLAX MIRROR BAND DIAL
RH CUSTOM DESIGNED DIAL
ZB RECEIVER RANGE
SW DIAL TAG MARKING
RW PLEXI GLASS
RX SHATTERPROOF /SAFETY GLASS
RZ TOUGHENED GLASS
- ZM** ELECTRO POLISHED CASE & BEZEL
CK EPOXY PAINTED CASE & BEZEL
OS CASE WITH BAYONET TYPE BEZEL
PS AISI 316 SS CASE & BEZEL
KA ON-OFF TYPE VENT PLUG
SX SS TAG PLATE
SY AISI 316SS TAG PLATE
SA INTERNAL OVERPRESSURE STOP
SB INTERNAL VACUUM STOP
ZL OVER RANGE PROTECTION
QB INTEGRAL DAMPENING SCREW (AISI 316 SS)
FL INTEGRAL DAMPENING SCREW (MONEL)
ZZ DIELECTRIC OIL FILLED
GH MATERIAL TEST CERTIFICATES
PW FIVE POINT CALIBRATION CERTIFICATE NATIONAL/ INTERNATIONAL STANDARDS

Ordering Example: P-27-X-X-XXX-(E13)-XX

SPECIAL FEATURES

Phenolic Case With Solid Front Design
 Blow out back
 Standard followed ASME-B.40.1
 Helium Leak Tested
 Built in Stabilizer Movement
 Ready For Oxygen Use
 Internal Vacuum /Over Pressure Stops
 IP 66



SPECIFICATIONS

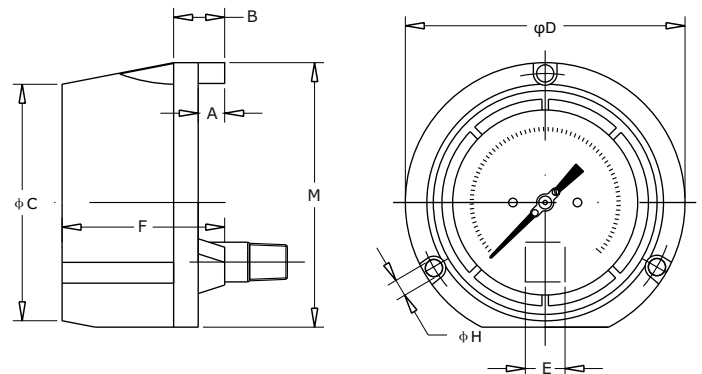
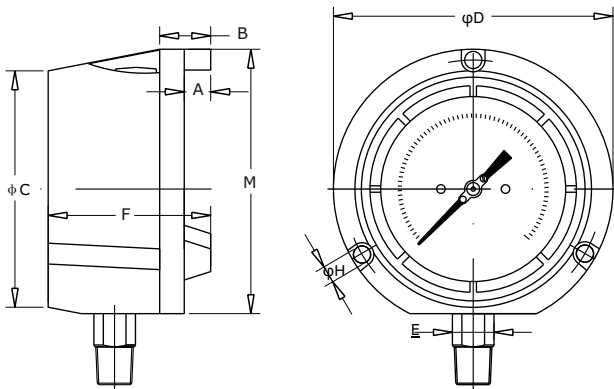
Ambient Temperature: -4°F(-20°C) to +150°F(+65°C)
 Process Temperature: Max. 392°F(200°C)
 Operating Pressure Range: 75% of scale value
 Over Pressure Limit: 150% of Max. scale value
 Case & Bezel: Phenolic
 Joints: Tig Argon Arc Welding
 Protection: IP 66
 Socket: MONEL

Bourdon: MONEL
 Movement: AISI 304
 Dial: Aluminum
 Pointer: Micro Zero Adjustable
 Window: Safety Glass
 Gasket: Viton
 Ranges: Vacuum to 40,000psi

ACCURACY AS PER ASME B.40.1/EN837-1

4.5" : 0.5-0.5-0.5 (Grade 2A)

*Please consult factory for better accuracy availability.



NS	A	B	φC	φD	E	F	φG	φH	M	Weight (lbs)
4.5"	0.6"	1.0"	5.1"	5.8"	0.87"	3.4"	5.4"	0.2"	5.6"	2.38

NS	A	B	φC	φD	E	F	φG	φH	M	Weight (lbs)
4.5"	0.6"	1.0"	5.1"	5.8"	0.87"	3.4"	5.4"	0.2"	5.6"	2.38

HOW TO ORDER

NOMINAL SIZE

G

4.5"

X

TYPE OF MOUNTING

- 1 WALL/SURFACE/PROJECTION MOUNTING WITH BOTTOM
3 LOWER BACK

X

GAUGE CONNECTION

- 2BM** 1/4"BSP(M)
2NM 1/4"NPT(M)
2TM 1/4"BSPT(M)
3BM 3/8"BSP(M)
3NM 3/8"NPT(M)
3TM 3/8"BSPT(M)
4BM 1/2"BSP(M)
4NM 1/2"NPT(M)
4TM 1/2"BSPT(M)
4MM M20 X 1.5(M)
9UM 9/16"UNF(M)
2HF 1/4"HP(F)

XXX

***Please consult factory for any special connections

RANGE

CODE	E9	E10	E11	E12	E13	E14	E15	E16	E17	E18	E19	E20
RANGE (psi)	15	30	60	100	160	200	300	400	500	600	800	1000
CODE	E21	E22	E23	E24	E25	E26	E27	E28	E29	E30	E31	E32
RANGE (psi)	1500	2000	3000	4000	5000	6000	7500	10,000	15,000	20,000	30,000	40,000

E13

OPTIONAL EXTRAS

- SG** OXYGEN SERVICE (FOR DRY VERSION)
TI MONEL BOURDON & SOCKET (MONEL VERSION)
TF TESTED TO NACE STANDARD
TB HELIUM LEAK TEST
SD AISI 316 SS MOVEMENT
SF MOVEMENT WITH DAMPENING JELLY
SI KNIFE EDGE POINTER
RG ANTI PARALLAX MIRROR BAND DIAL
RH CUSTOM DESIGNED DIAL
ZB RECEIVER RANGE
AT ATEX (AS PER 2014/34/EU)
ZC FREON RANGE (WITH TEMPERATURE SCALE)
ZD AMMONIA RANGE (WITH TEMPERATURE SCALE)
SW DIAL TAG MARKING
RW PLEXI GLASS
RX SHATTERPROOF /SAFETY GLASS
RZ TOUGHENED GLASS
SY AISI 316SS TAG PLATE

- SJ** MAXIMUM READING POINTER WITH PLEXI GLASS FILLABLE VERSION
SX SS TAG PLATE
SA INTERNAL OVERPRESSURE STOP
SB INTERNAL VACUUM STOP
ZL OVER RANGE PROTECTION
QB INTEGRAL DAMPENING SCREW (AISI 316 SS)
FL INTEGRAL DAMPENING SCREW (MONEL)
FS FILLABLE LIQUID SILICON OIL
FG FILLABLE LIQUID GLYCERINE
ZZ DIELECTRIC OIL FILLED
PX DAMPENING LIQUID FLOUROLUBE FILLED
PY DAMPENING LIQUID GLYCERINE OIL FILLED
PZ DAMPENING LIQUID MINERAL LIQUID FILLED
QA DAMPENING LIQUID SILICON OIL FILLED
GH MATERIAL TEST CERTIFICATES
PW FIVE POINT CALIBRATION CERTIFICATE NATIONAL/ INTERNATIONAL STANDARDS

XX

***Please consult factory for any special connections

Ordering Example: P-28-X-X-XXX-(E13)-XX

SPECIAL FEATURES

Phenolic Case With Solid Front Design
 Blow out back
 Standard followed ASME-B.40.1
 Helium Leak Tested
 Built in Stabilizer Movement
 Ready For Oxygen Use
 Internal Vacuum /Over Pressure Stops
 IP 66



SPECIFICATIONS

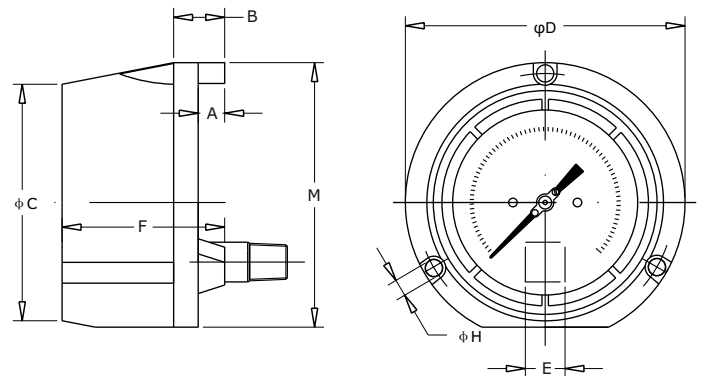
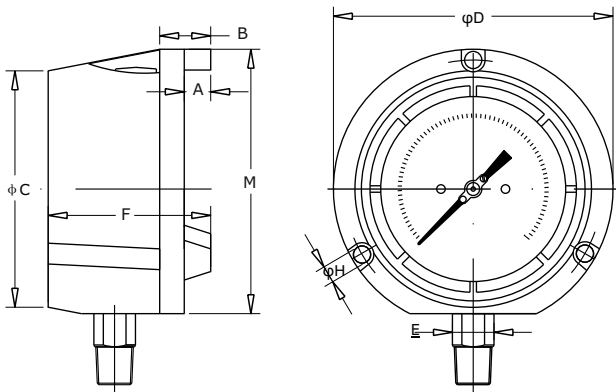
Ambient Temperature: -4°F(-20°C) to +150°F(+65°C)
 Process Temperature: Max. 392°F(200°C)
 Operating Pressure Range: 75% of scale value
 Over Pressure Limit: 150% of Max. scale value
 Case & Bezel: Phenolic
 Joints: Tig Argon Arc Welding
 Protection: IP 66
 Socket: HASTELLOY C-276

Bourdon: HASTELLOY C-276
 Movement: AISI 304
 Dial: Aluminum
 Pointer: Micro Zero Adjustable
 Window: Safety Glass
 Gasket: Viton
 Ranges: Vacuum to 40,000psi

ACCURACY AS PER ASME B.40.1/EN837-1

4.5" : 0.5-0.5-0.5 (Grade 2A)

*Please consult factory for better accuracy availability.



NS	A	B	φC	φD	E	F	φG	φH	M	Weight (lbs)
4.5"	0.6"	1.0"	5.1"	5.8"	0.87"	3.4"	5.4"	0.2"	5.6"	2.38

NS	A	B	φC	φD	E	F	φG	φH	M	Weight (lbs)
4.5"	0.6"	1.0"	5.1"	5.8"	0.87"	3.4"	5.4"	0.2"	5.6"	2.38

HOW TO ORDER

NOMINAL SIZE

G

4.5"

X

TYPE OF MOUNTING

- 1 WALL/SURFACE/PROJECTION MOUNTING WITH BOTTOM
3 LOWER BACK

X

GAUGE CONNECTION

- 2BM** 1/4"BSP(M)
2NM 1/4"NPT(M)
2TM 1/4"BSPT(M)
3BM 3/8"BSP(M)
3NM 3/8"NPT(M)
3TM 3/8"BSPT(M)
4BM 1/2"BSP(M)
4NM 1/2"NPT(M)
4TM 1/2"BSPT(M)
4MM M20 X 1.5(M)
9UM 9/16"UNF(M)
2HF 1/4"HP(F)

XXX

***Please consult factory for any special connections

RANGE

CODE	E9	E10	E11	E12	E13	E14	E15	E16	E17	E18	E19	E20
RANGE (psi)	15	30	60	100	160	200	300	400	500	600	800	1000
CODE	E21	E22	E23	E24	E25	E26	E27	E28	E29	E30	E31	E32
RANGE (psi)	1500	2000	3000	4000	5000	6000	7500	10,000	15,000	20,000	30,000	40,000

E13

OPTIONAL EXTRAS

- SG** OXYGEN SERVICE (FOR DRY VERSION)
TI MONEL BOURDON & SOCKET (MONEL VERSION)
TF TESTED TO NACE STANDARD
TB HELIUM LEAK TEST
SD AISI 316 SS MOVEMENT
SF MOVEMENT WITH DAMPENING JELLY
SI KNIFE EDGE POINTER
RG ANTI PARALLAX MIRROR BAND DIAL
RH CUSTOM DESIGNED DIAL
ZB RECEIVER RANGE
AT ATEX (AS PER 2014/34/EU)
ZC FREON RANGE (WITH TEMPERATURE SCALE)
ZD AMMONIA RANGE (WITH TEMPERATURE SCALE)
SW DIAL TAG MARKING
RW PLEXI GLASS
RX SHATTERPROOF /SAFETY GLASS
RZ TOUGHENED GLASS
SY AISI 316SS TAG PLATE

- SJ** MAXIMUM READING POINTER WITH PLEXI GLASS FILLABLE VERSION
SX SS TAG PLATE
SA INTERNAL OVERPRESSURE STOP
SB INTERNAL VACUUM STOP
ZL OVER RANGE PROTECTION
QB INTEGRAL DAMPENING SCREW (AISI 316 SS)
FL INTEGRAL DAMPENING SCREW (MONEL)
FS FILLABLE LIQUID SILICON OIL
FG FILLABLE LIQUID GLYCERINE
ZZ DIELECTRIC OIL FILLED
PX DAMPENING LIQUID FLOUROLUBE FILLED
PY DAMPENING LIQUID GLYCERINE OIL FILLED
PZ DAMPENING LIQUID MINERAL LIQUID FILLED
QA DAMPENING LIQUID SILICON OIL FILLED
GH MATERIAL TEST CERTIFICATES
PW FIVE POINT CALIBRATION CERTIFICATE NATIONAL/ INTERNATIONAL STANDARDS

XX

***Please consult factory for any special connections

Ordering Example: P-29-X-X-XXX-(E13)-XX

SPECIAL FEATURES

Phenolic Case With Solid Front Design
 Blow out back
 Standard followed ASME-B.40.1
 Helium Leak Tested
 Built in Stabilizer Movement
 Ready For Oxygen Use
 Internal Vacuum /Over Pressure Stops
 IP 66



SPECIFICATIONS

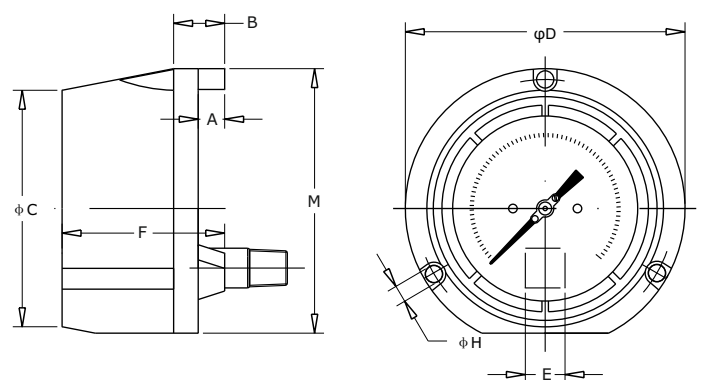
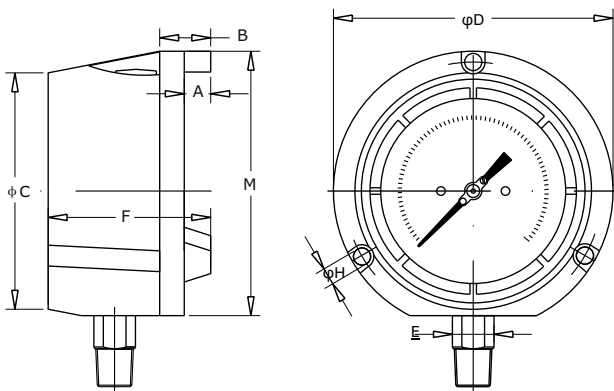
Ambient Temperature: -4°F(-20°C) to +150°F(+65°C)
 Process Temperature: Max. 392°F(200°C)
 Operating Pressure Range: 75% of scale value
 Over Pressure Limit: 150% of Max. scale value
 Case & Bezel: Phenolic
 Joints: Tig Argon Arc Welding
 Protection: IP 66
 Socket: INCONEL 625

Bourdon: INCONEL 625
 Movement: AISI 304
 Dial: Aluminum
 Pointer: Micro Zero Adjustable
 Window: Safety Glass
 Gasket: Viton
 Ranges: Vacuum to 40,000psi

ACCURACY AS PER ASME B.40.1/EN837-1

4.5" : 0.5-0.5-0.5 (Grade 2A)

*Please consult factory for better accuracy availability.



NS	A	B	φC	φD	E	F	φG	φH	M	Weight (lbs)
4.5"	0.6"	1.0"	5.1"	5.8"	0.87"	3.4"	5.4"	0.2"	5.6"	2.38

NS	A	B	φC	φD	E	F	φG	φH	M	Weight (lbs)
4.5"	0.6"	1.0"	5.1"	5.8"	0.87"	3.4"	5.4"	0.2"	5.6"	2.38

HOW TO ORDER

NOMINAL SIZE

G

4.5"

X

TYPE OF MOUNTING

- 1 WALL/SURFACE/PROJECTION MOUNTING WITH BOTTOM
3 LOWER BACK

X

GAUGE CONNECTION

- 2BM** 1/4"BSP(M)
2NM 1/4"NPT(M)
2TM 1/4"BSPT(M)
3BM 3/8"BSP(M)
3NM 3/8"NPT(M)
3TM 3/8"BSPT(M)
4BM 1/2"BSP(M)
4NM 1/2"NPT(M)
4TM 1/2"BSPT(M)
4MM M20 X 1.5(M)
9UM 9/16"UNF(M)
2HF 1/4"HP(F)

XXX

***Please consult factory for any special connections

RANGE

CODE	E9	E10	E11	E12	E13	E14	E15	E16	E17	E18	E19	E20
RANGE (psi)	15	30	60	100	160	200	300	400	500	600	800	1000
CODE	E21	E22	E23	E24	E25	E26	E27	E28	E29	E30	E31	E32
RANGE (psi)	1500	2000	3000	4000	5000	6000	7500	10,000	15,000	20,000	30,000	40,000

E13

OPTIONAL EXTRAS

- | | |
|--|--|
| SG OXYGEN SERVICE (FOR DRY VERSION) | SJ MAXIMUM READING POINTER WITH PLEXI GLASS FILLABLE VERSION |
| TI MONEL BOURDON & SOCKET (MONEL VERSION) | SX SS TAG PLATE |
| TF TESTED TO NACE STANDARD | SA INTERNAL OVERPRESSURE STOP |
| TB HELIUM LEAK TEST | SB INTERNAL VACUUM STOP |
| SD AISI 316 SS MOVEMENT | ZL OVER RANGE PROTECTION |
| SF MOVEMENT WITH DAMPENING JELLY | QB INTEGRAL DAMPENING SCREW (AISI 316 SS) |
| SI KNIFE EDGE POINTER | FL INTEGRAL DAMPENING SCREW (MONEL) |
| RG ANTI PARALLAX MIRROR BAND DIAL | FS FILLABLE LIQUID SILICON OIL |
| RH CUSTOM DESIGNED DIAL | FG FILLABLE LIQUID GLYCERINE |
| ZB RECEIVER RANGE | ZZ DIELECTRIC OIL FILLED |
| AT ATEX (AS PER 2014/34/EU) | PX DAMPENING LIQUID FLOUROLUBE FILLED |
| ZC FREON RANGE (WITH TEMPERATURE SCALE) | PY DAMPENING LIQUID GLYCERINE OIL FILLED |
| ZD AMMONIA RANGE (WITH TEMPERATURE SCALE) | PZ DAMPENING LIQUID MINERAL LIQUID FILLED |
| SW DIAL TAG MARKING | QA DAMPENING LIQUID SILICON OIL FILLED |
| RW PLEXI GLASS | GH MATERIAL TEST CERTIFICATES |
| RX SHATTERPROOF /SAFETY GLASS | PW FIVE POINT CALIBRATION CERTIFICATE NATIONAL/ INTERNATIONAL STANDARDS |
| RZ TOUGHENED GLASS | |
| SY AISI 316SS TAG PLATE | |

XX

***Please consult factory for any special connections

Ordering Example: P-30-X-X-XXX-(E13)-XX

SPECIAL FEATURES

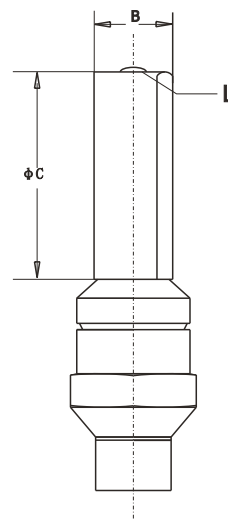
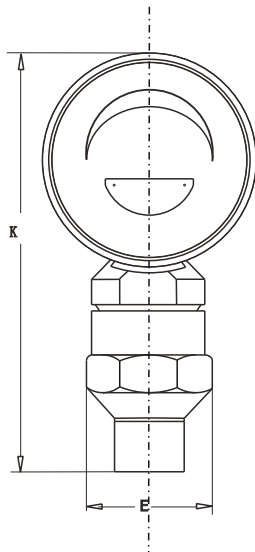
Provide accurate Pressure Reading
and Built In Dampening
Liquid Filled Gauge Minimized Vibration
And Wear To Gauge Movement
Quick And Accurate Response To Pressure Changes
The Stationery Dial And Moving Pointer Is Easy Seen

SPECIFICATIONS

Ambient Temperature: -77°F(-25°C) to + 131°F(+55°C)
Operating Pressure Range: 75% of Scale Value
Fork: Stainless Steel
Movement: Brass
Dial: Aluminum
Pointer: Fixed
Window: Perspex
Case filling: Glycerine Filled
Case&ring: Gun Metal Casting, Weather Proof Gray Hammertone
Mounting & Entry: Direct With Bottom
Sensing Element: AISI 316L SS Diaphragm
Chamber Material: Stainless Steel
Sealing Fluid: Silicon Oil
Mud Protection: Neoprene Rubber Pad
Process Connection: 2"NPT(M)
Process Conn. Material: Mild Steel, Anti-Corrosion Treated
Accuracy: 3-2-3 (Grade B)
2-1-2 (Grade A)



Example



NS	K	B	ϕC	L	E
4"	7.0"	2.09"	4.9"	0.89"	2.56"
6"	6.8"	2.17"	6.3"	0.85"	2.76"

HOW TO ORDER

SERIES

P-31

X

TYPE OF MOUNTING

2 BOTTOM

XX

GAUGE CONNECTION

12BM 1 1/2"BSP(M)
12NM 1 1/2"NPT(M)
JA 2"BSP(M)
JS 2"NPT(M)

XX

RANGE

XXX

7MPa	16MPa	25MPa	35MPa	40MPa	60MPa	80MPa	100MPa
------	-------	-------	-------	-------	-------	-------	--------

***Please consult factory for any special connections

Ordering Example: P-31-X-XX-XX

SPECIAL FEATURES

All Welded Media Chamber
Static Pressure Up To 600 psi
Overload Safety Ensured by All Metal Construction
Standard Followed ASME -B.40.1 / EN837-3
IP:66

SPECIFICATIONS

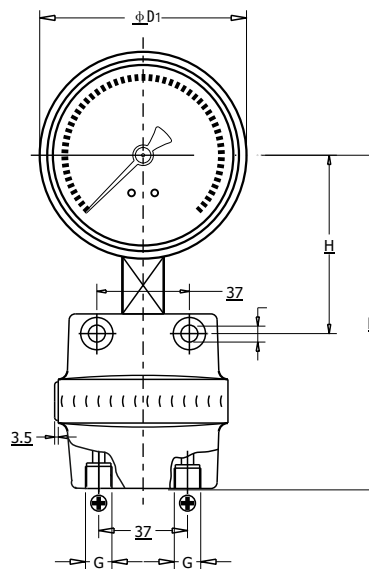
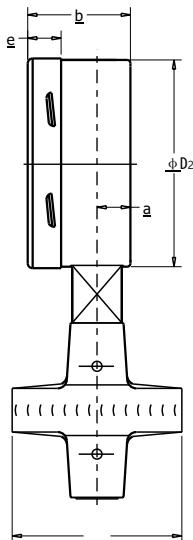
Ambient Temperature: -4°F (-20°C) to +150°F(+65°C)
Process Temperature: Max.212°F (+100°C)
Operating Pressure Range: 75% of Scale Value
Over Pressure Limit: 125% of Max.Scale Value
Case: AISI 304 SS
Joints: Tig Argon Arc Welding
Chamber: AISI 316 SS
Diaphragm: AISI 316L SS
Movement: AISI 304 SS
Dial:Aluminum
Pointer: Micro Zero Adjustable
Window: Safety Glass
Range: Vacuum to 15"WC-160psi



ACCURACY AS PER ASME B.40.1/EN837-1

4"/6" : 2-1-2 (GRADE A)

*Please consult factory for better accuracy availability.



NS	Scale range	a	b	φD1	φD2	φd	e	G	h+1	H	Weight (lbs)
4"	≤0.25bar	0.61"	1.95"	4.0"	3.9"	5.5"	0.7"	G1/4"	6.3"	3.5"	4.01
4"	0.25bar	0.61"	1.95"	4.0"	3.9"	3.1"	0.7"	G1/4"	6.7"	3.4"	4.01
6"	≤0.25bar	0.61"	1.95"	6.3"	6.3"	5.5"	0.7"	G1/4"	7.5"	4.7"	4.94
6"	>0.25bar	0.61"	1.95"	6.3"	6.3"	3.1"	0.7"	G1/4"	7.9"	4.6"	4.94

HOW TO ORDER

NOMINAL SIZE

F H
4" 6"

X

TYPE OF MOUNTING

- 1 WALL/SURFACE/PROJECTION MOUNTING WITH BOTTOM
- 2 BOTTOM

X

GAUGE CONNECTION

- 2BF** 1/4" BSP(F)
2NF 1/4" NPT(F)(Standard)

***Please consult factory for any special connections

XXX

DIAPHRAGM

- UJ** AISI 316L SS(Standard) **UJ** MONEL

XX

SEAL CHAMBER

- RB** AISI 316 SS(Standard) **RD** MONEL

XX

FILLING FLUIDS

- UX** SILICON DC 200 (-40 TO 205°C/-40 TO 401 °F) (Standard)

X

RANGE

LPE9

CODE	LPE7	LPE8	LPE9	LPE10	LPE11	LPE12
RANGE ("WC)	15"WC	30"WC	35"WC	60"WC	100"WC	160"WC
CODE	LPE13	LPE14	LPE15	LPE16	LPE17	LPE18
RANGE (psi)	10psi	15psi	30psi	60psi	100psi	160psi

OPTIONAL EXTRAS

XX

- | | |
|---|---|
| <p>TI MONEL DIAPHRAGM & CHAMBER (MONEL VERSION)
TF TESTED TO NACE STANDARD
TB HELIUM LEAK TEST
SD AISI 316 SS MOVEMENT
SI KNIFE EDGE POINTER
FN 2" PIPE/YOKE MOUNTING BRACKET & 'U' CLAMP (AISI 316 SS)
RG ANTI PARALLAX MIRROR BAND DIAL
RH CUSTOM DESIGNED DIAL
SW DIAL TAG MARKING
RW PLEXI GLASS
RX SHATTERPROOF /SAFETY GLASS
RZ TOUGHENED GLASS
SJ MAXIMUM READING POINTER WITH PLEXI GLASS FILLABLE VERSION
ZM ELECTRO POLISHED CASE & BEZEL</p> | <p>CK EPOXY PAINTED CASE & BEZEL
OS CASE WITH BAYONET TYPE BEZEL
PS AISI 316 SS CASE & BEZEL
KA ON-OFF TYPE VENT PLUG
SX SS TAG PLATE
SY AISI 316SS TAG PLATE
FS FILLABLE LIQUID SILICON OIL
FG FILLABLE LIQUID GLYCERINE
ZZ DIELECTRIC OIL FILLED
PX DAMPENING LIQUID FLUOROLUBE FILLED
PY DAMPENING LIQUID GLYCERINE OIL FILLED
PZ DAMPENING LIQUID MINERAL LIQUID FILLED
QA DAMPENING LIQUID SILICON OIL FILLED
GH MATERIAL TEST CERTIFICATES
PW FIVE POINT CALIBRATION CERTIFICATE NATIONAL/ INTERNATIONAL STANDARDS</p> |
|---|---|

Ordering Example: P-32-X-X--XX-XX-X-(LPE9)-XX

SPECIAL FEATURES

Phenolic Case With Solid Front Design
Blow Out Back
With Diaphragm Seal
Standard Followed ASME -B.40.1
Helium Leak Tested
Built In Stabilizer Movement
Ready For Oxygen Use
Internal Vacuum /Over Pressure Stop
IP:66

SPECIFICATIONS

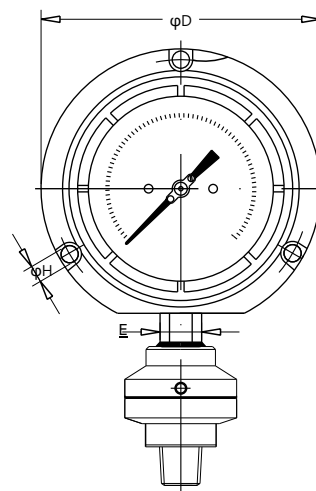
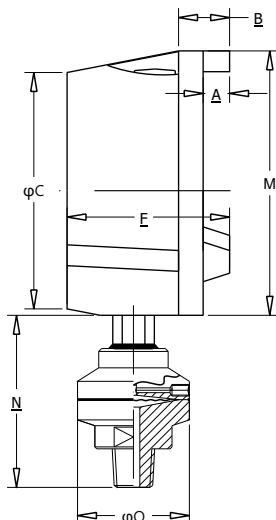
Ambient Temperature: -4°F(-20°C) to + 150°F(+65°C)
Process Temperature: Max.392°F (200°C)
Operating Pressure Range: 75% of Scale Value
Over Pressure Limit: 150% of Max.Scale Value
Case: Phenolic
Joints: Tig Argon Arc Welding
Socket: AISI 316L SS
Diaphragm: AISI 316L SS
Movement: AISI 304 SS
Dial:Aluminum
Pointer: Micro Zero Adjustable
Window: Safety Glass
Range: Vacuum to 6,000psi



ACCURACY AS PER ASME B.40.1/EN837-3

4.5" 0.5-0.5-0.5 GRADE 2A)

*Please consult factory for better accuracy availability.



NS	A	B	φC	φD	E	F	φG	φH	M	N	φO	Weight (lbs)
4.5"	0.6"	1"	5.1"	5.8"	0.87"	3.4"	5.4"	0.2"	5.6"	3.3"	2"	3.26

HOW TO ORDER

NOMINAL SIZE

G

Example

X

TYPE OF MOUNTING

4.5"

X

2 BOTTOM
SEAL BODY

XXX

CL AISI 316 SS (Standard)

CM AISI 316L SS

DIAPHRAGM

XX

UJ AISI 316 SS (Standard)

UM MONEL

UR TITANIUM

UQ TANTALUM

UL HASTELLOY "C"

UP SILVER

UW INCONEL 600

PROCESS CONNECTION

XX

WE 1/4" BSP(F) (Standard)

WC 3/8" BSP(F)

WD 1/2" BSP(F)

WJ 3/4" BSP(F)

WI 1/4" NPT(F)

WH 1/2" NPT(F)

WL 3/4" NPT(F)

WY 1/4" NPT(M)

WA 1/2" NPT(M)

WK 3/4" NPT(M)

WS 1/4" BSP(M)

WT 3/8" BSP(M)

WU 1/2" BSP(M) (Standard)

WF 3/4" BSP(M)

NOTE: Connections like metric, PT/PF/Flaired/UNF/G/R etc can be provided on request.

FILLING FLUIDS (*Consult factory for specifications, price and delivery.)

XX

US FLUOROLUBE 4.2 [-45 to 175°C]

UT FLUOROLUBE 6.3 [-40 to 235°C]

UU FLUOROLUBE FS-5 [-28 to 148°C]

UV FOOD GRADE OIL [-20 to 140°C]

UX SILICON DC 200 [-40 to 205°C] (Standard)

UY SILICON DC 704 [10 to 337]

UZ SILICON DC 710 [7 to 371]

VA SYLTHERM 800 [-40 to 315]

VB SYLTHERM 800 [-40 to 315]

VC SYLTHERM XLT [-100 to 260]

HALOCARBON OIL*

REMOTE MOUNTING (With capillary of Max. Up to 2 Mtrs.)

X

SPECIFY IN METERS (eg. 1.5=1.5 METERS 2.0=2 METERS)

CAPILLARY

X

PE AISI 304 SS

PG AISI 316 SS

CAPILLARY COVERED WITH ARMOUR (Applicable with PE or PG if selected)

XXX

PF AISI 304 SS

PH AISI 316 SS

PI PVC

RANGE

E13

CODE	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13
RANGE (psi)	-30"hg	-30"hg-15	-30"hg-30	-30"hg-60	-30"hg-100	-30"hg-160	-30"hg-200	-30"hg-300	15	30	60	100	160
CODE	E14	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24	E25	E26
RANGE (psi)	200	300	400	500	600	800	1000	1500	2000	3000	4000	5000	6000

OPTIONAL EXTRAS AS PER P-05

XX

Ordering Example: P-33-X-X-XXX-XX-XX-XX-X-X-XXX-(E13)-XX

SPECIAL FEATURES

Standard Followed ASME-B 40.1 / EN837-1
Wetted Parts AISI 316L Stainless Steel
Build in Stabilizer Movement
Dry or Liquid Version
NACE MR 0175 Compliance
Helium Leak Tested
40mm Temperature Compensated Blow Out Disc
Internal Vacuum/ Over Pressure Stops
High Range from 15,000 psi
IP 66

SPECIFICATIONS

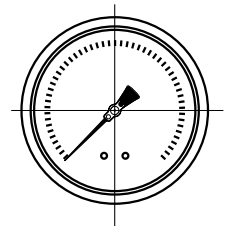
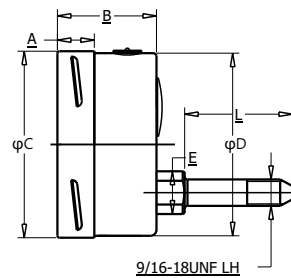
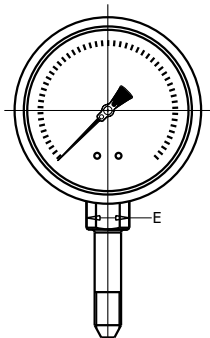
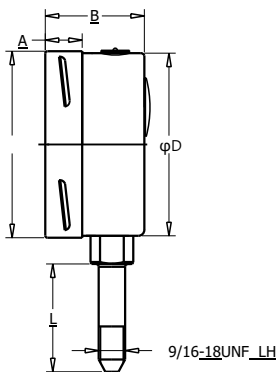
Ambient Temperature: -4°F (-20°C) to + 150°F(+65°C)
Process Temperature: Max.392°F (200°C)
Operating Pressure Range: 75% of Scale Value
Over Pressure Limit: 125% of Max.Scale Value
Case: AISI 304 SS
Joints: Tig Argon Arc Welding
Socket: AISI 316L SS
Bourdon: AISI 316L SS
Movement: AISI 304 SS
Dial:Aluminum
Pointer: Micro Zero Adjustable
Window: Safety Glass
Range: 15,000 to 60,000 PSI



ACCURACY AS PER ASME B.40.1/EN837-1

2.5"/3" 2-1-2 (GRADE A)
4"/6"/8"/10" : 1-1-1 (GRADE 1A)

*Please consult factory for better accuracy availability.



NS	A	B	φ C	φ D	E	L	Weight (lbs)
2.5"	0.5"	1.3"	2.5"	2.44"	0.55"	1.3"	0.44
3"	0.55"	1.56"	3.1"	3"	0.67"	2.5"	0.64
4"	0.67"	1.93"	3.95"	3.9"	0.87"	2.5"	1.37
6"	0.68"	1.97"	6.34"	6.2"	0.87"	2.5"	2.29
8"	0.68"	2"	7.87"	7.64"	0.87"	2.5"	4.01
10"	0.68"	2"	9.84"	9.74"	0.87"	2.5"	4.89

NS	A	B	φ C	φ D	E	L	Weight (lbs)
2.5"	0.5"	1.3"	2.5"	2.44"	0.55"	1.3"	0.44
3"	0.55"	1.56"	3.1"	3"	0.67"	2.5"	0.64
4"	0.67"	1.93"	3.95"	3.9"	0.87"	2.5"	1.37
6"	0.68"	1.97"	6.34"	6.2"	0.87"	2.5"	2.29
8"	0.68"	2"	7.87"	7.64"	0.87"	2.5"	4.01
10"	0.68"	2"	9.84"	9.74"	0.87"	2.5"	4.89

HOW TO ORDER

NOMINAL SIZE

D	E	F	H	I	J
2.5"	3"	4"	6"	8"	10"

TYPE OF MOUNTING

- 1 WALL/SURFACE/PROJECTION MOUNTING WITH BOTTOM
- 2 BOTTOM
- 3 LOWER BACK
- 5 LOWER BACK WITH FRONT FLANGE
- 6 LOWER BACK WITH MOUNTING BRACKET
- 7 CENTER BACK WITH FRONT FLANGE
- 8 CENTER BACK WITH MOUNTING BRACKET

GAUGE CONNECTION

- 2BM** 1/4"BSP(M)
2NM 1/4"NPT(M)
3BM 3/8"BSP(M)
3NM 3/8"NPT(M)
4BM 1/2"BSP(M)
4NM 1/2"NPT(M)
4MM M20 X 1.5(M)
9UM 9/16"UNF(M)
2HF 1/4"HP(F)
2HM 1/4"HP(M)

***Please consult factory for any special connections

RANGE

CODE	E29	E30	E31	E32	E33
RANGE (psi)	15000	20000	25000	30000	35000
CODE	E34	E35	E36	E37	
RANGE (psi)	40000	50000	55000	60000	

OPTIONAL EXTRAS

- | | |
|---|---|
| <p> SG OXYGEN SERVICE (FOR DRY VERSION)
 OA ACCURACY + 0.5% OF F.S.
 TI MONEL BOURDON & SOCKET (MONEL VERSION)
 TF TESTED TO NACE STANDARD
 TB HELIUM LEAK TEST
 SD AISI 316 SS MOVEMENT
 SF MOVEMENT WITH DAMPENING JELLY
 RI 25mm BOD
 SI KNIFE EDGE POINTER
 FN 2" PIPE/YOKE MOUNTING BRACKET & 'U' CLAMP (AISI 316 SS)
 RG ANTI PARALLAX MIRROR BAND DIAL
 RH CUSTOM DESIGNED DIAL
 ZB RECEIVER RANGE
 AT ATEX (AS PER 2014/34/EU)
 ZC FREON RANGE (WITH TEMPERATURE SCALE)
 ZD AMMONIA RANGE (WITH TEMPERATURE SCALE)
 SW DIAL TAG MARKING
 RW PLEXI GLASS
 RX SHATTERPROOF/SAFETY GLASS
 RZ TOUGHENED GLASS
 SJ MAXIMUM READING POINTER WITH PLEXI GLASS FILLABLE VERSION </p> | <p> ZM ELECTRO POLISHED CASE & BEZEL
 CK EPOXY PAINTED CASE & BEZEL
 SQ CASE WITH ROLLING TYPE BEZEL
 OS CASE WITH BAYONET TYPE BEZEL
 PS AISI 316 SS CASE & BEZEL
 KA ON-OFF TYPE VENT PLUG
 SX SS TAG PLATE
 SY AISI 316SS TAG PLATE
 SA INTERNAL OVERPRESSURE STOP
 SB INTERNAL VACUUM STOP
 ZL OVER RANGE PROTECTION
 QB INTEGRAL DAMPENING SCREW (AISI 316 SS)
 FL INTEGRAL DAMPENING SCREW (MONEL)
 FS FILLABLE LIQUID SILICON OIL
 FG FILLABLE LIQUID GLYCERINE
 ZZ DIELECTRIC OIL FILLED
 PX DAMPENING LIQUID FLOUROLUBE FILLED
 PY DAMPENING LIQUID GLYCERINE OIL FILLED
 PZ DAMPENING LIQUID MINERAL LIQUID FILLED
 QA DAMPENING LIQUID SILICON OIL FILLED
 GH MATERIAL TEST CERTIFICATES
 PW FIVE POINT CALIBRATION CERTIFICATE NATIONAL/ INTERNATIONAL STANDARDS </p> |
|---|---|

Ordering Example: P-34-X-X-XXX-(E13)-XX

Example

X

X

XXX

E13

XX

SPECIAL FEATURES

Standard Followed ASME-B 40.1 / EN837-1
 Cost Effective
 Build in Stabilizer Movement
 Dry or Liquid Version
 40mm Temperature Compensated Blow Out Disc
 IP 65

SPECIFICATIONS

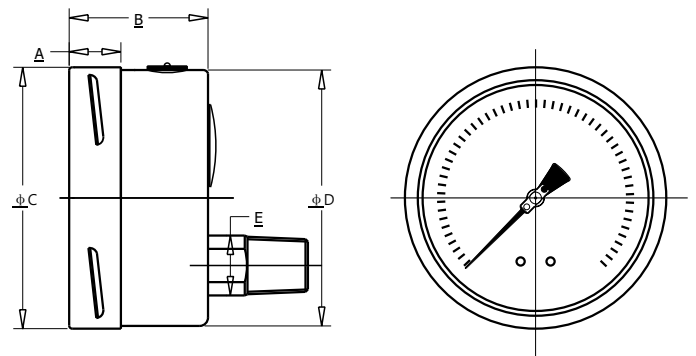
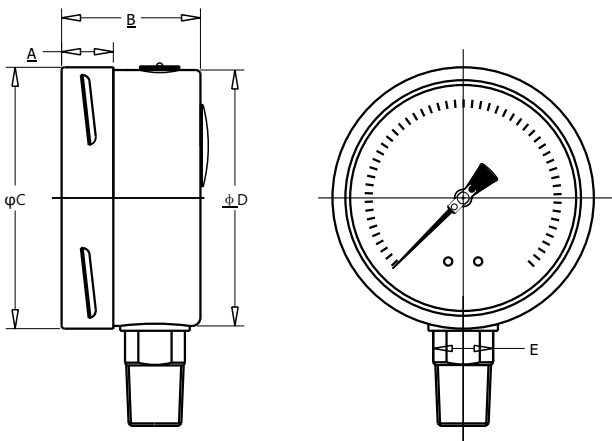
Ambient Temperature: -4°F (-20°C) to +150°F(+65°C)
 Process Temperature: Max.248°F (120°C)
 Operating Pressure Range: 75% of Scale Value
 Over Pressure Limit: 125% of Max.Scale Value
 Case: AISI 304 SS
 Joints: Alloy brazing/Soldering
 Socket: Copper Alloy
 Bourdon: Copper Alloy
 Movement: Copper Alloy
 Dial: Aluminum
 Pointer: Fixed/Micro Zero Adjustable
 Window: Safety Glass
 Range: Vacuum to 6,000 psi



ACCURACY AS PER ASME B.40.1/EN837-1

2.5"/3" : 2-1-2 (GRADE A)
 4"/6" : 1-1-1 (GRADE 1A)

*Please consult factory for better accuracy availability.



NS	A	B	φ C	φ D	E	Weight (lbs)
2.5"	0.5"	1.36"	2.5"	2.44"	0.55"	0.40
3"	0.55"	1.56"	3.1"	3"	0.67"	0.60
4"	0.67"	1.93"	3.95"	3.9"	0.87"	0.41
6"	0.68"	1.97"	6.34"	6.2"	0.87"	2.65

NS	A	B	φ C	φ D	E	Weight (lbs)
2.5"	0.5"	1.3"	2.5"	2.44"	0.55"	0.40
3"	0.55"	1.56"	3.1"	3"	0.55"	0.60
4"	0.67"	1.93"	3.95"	3.9"	0.87"	0.41
6"	0.68"	1.97"	6.34"	6.2"	0.87"	2.65

HOW TO ORDER

NOMINAL SIZE

D	E	F	H
2.5"	3"	4"	6"

X

TYPE OF MOUNTING

- 1 WALL/SURFACE/PROJECTION MOUNTING WITH BOTTOM
- 2 BOTTOM
- 3 LOWER BACK
- 4 CENTER BACK
- 5 LOWER BACK WITH FRONT FLANGE
- 6 LOWER BACK WITH MOUNTING BRACKET
- 7 CENTER BACK WITH FRONT FLANGE
- 8 CENTER BACK WITH MOUNTING BRACKET

X

GAUGE CONNECTION

- 2BM** 1/4"BSP(M)
2NM 1/4"NPT(M)
3BM 3/8"BSP(M)
4TM 1/2"BSPT(M)
4BM 1/2"BSP(M)
4NM 1/2"NPT(M)
4MM M20 X 1.5(M)

***Please consult factory for any special connections

XXX

RANGE

CODE	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13
RANGE (psi)	-30"hg	-30"hg-15	-30"hg-30	-30"hg-60	-30"hg-100	-30"hg-160	-30"hg-200	-30"hg-300	15	30	60	100	160
CODE	E14	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24	E25	E26
RANGE (psi)	200	300	400	500	600	800	1000	1500	2000	3000	4000	5000	6000

E13

OPTIONAL EXTRAS

- | | |
|---|---|
| <p> SG OXYGEN SERVICE (FOR DRY VERSION)
 OA ACCURACY + 0.5% OF F.S.
 SF MOVEMENT WITH DAMPENING JELLY
 SI KNIFE EDGE POINTER
 FN 2" PIPE/YOKE MOUNTING BRACKET & 'U' CLAMP (AISI 316 SS)
 RG ANTI PARALLAX MIRROR BAND DIAL
 RH CUSTOM DESIGNED DIAL
 ZB RECEIVER RANGE
 AT ATEX (AS PER 2014/34/EU)
 ZC FREON RANGE (WITH TEMPERATURE SCALE)
 SW DIAL TAG MARKING
 RW PLEXI GLASS
 RX SHATTERPROOF /SAFETY GLASS
 RZ TOUGHENED GLASS
 SY AISI 316SS TAG PLATE
 SJ MAXIMUM READING POINTER WITH PLEXI GLASS FILLABLE VERSION </p> | <p> ZM ELECTRO POLISHED CASE & BEZEL
 CK EPOXY PAINTED CASE & BEZEL
 PS AISI 316 SS CASE & BEZEL
 KA ON-OFF TYPE VENT PLUG
 SX SS TAG PLATE
 SA INTERNAL OVERPRESSURE STOP
 SB INTERNAL VACUUM STOP
 ZL OVER RANGE PROTECTION
 FK INTEGRAL DAMPENING SCREW (BRASS)
 FS FILLABLE LIQUID SILICON OIL
 FG FILLABLE LIQUID GLYCERINE
 ZZ DIELECTRIC OIL FILLED
 PX DAMPENING LIQUID FLOUROLUBE FILLED
 PY DAMPENING LIQUID GLYCERINE OIL FILLED
 PZ DAMPENING LIQUID MINERAL LIQUID FILLED
 QA DAMPENING LIQUID SILICON OIL FILLED
 GH MATERIAL TEST CERTIFICATES
 PW FIVE POINT CALIBRATION CERTIFICATE NATIONAL/ INTERNATIONAL STANDARDS </p> |
|---|---|

XX

Ordering Example: P-34-X-X-XXX-(E13)-XX

SPECIAL FEATURES

CE Approved Transmitter
Local Display With 4 To 20mA Output
Stainless Steel Case & Measuring System
Helium leak tested
Standard Followed ASME -B.40.1 / EN837-1
IP:54

SPECIFICATIONS

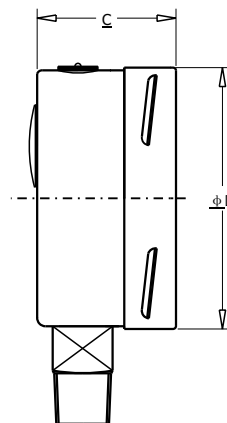
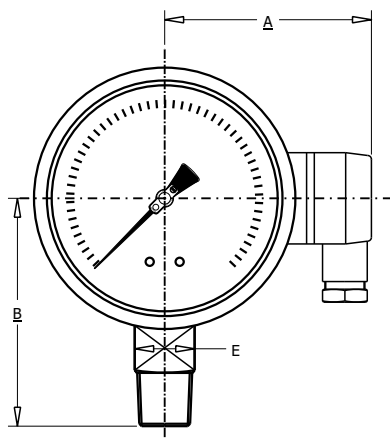
Ambient Temperature: -4°F(-20°C) to + 150°F (+65°C)
Process Temperature: Max.392°F (200°C)
Operating Pressure Range: 75% of Scale Value
Over Pressure Limit: 125% of Max.Scale Value
Case: AISI 304 SS
Joints: Tig Argon Arc Welding
Socket: AISI 316L SS
Bourdon: AISI 316L SS
Dial:Aluminum
Pointer: Mirco Zero Adjustable
Window: Safety Glass
Range: Vacuum to 7500psi
Signal Output: 4-20mA DC(2-lime)
1-5V. DC(3-lime)
Working Voltage: 24V.DC
Element: Ceramic Sensor
Junction Box: PVC



ACCURACY AS PER ASME B.40.1/EN837-1

4"/6" : 1-1-1 (GRADE 1A)

*Please consult factory for better accuracy availability.



NS	A	B	φ C	φ D	E	Weight (lbs)
4"	5.59"	3.23"	1.97"	3.98"	0.87"	1.56
6"	7.4"	4.6"	1.97"	5.87"	0.87"	2.72

HOW TO ORDER

NOMINAL SIZE

F H
4 " 6"

X

TYPE OF MOUNTING

- 1 WALL/SURFACE/PROJECTION MOUNTING WITH BOTTOM
- 2 BOTTOM

X

GAUGE CONNECTION

- 2BM** 1/4"BSP(M)
2NM 1/4"NPT(M)
3BM 3/8"BSP(M)
3NM 3/8"NPT(M)
4BM 1/2"BSP(M)
4NM 1/2"NPT(M)
4MM M20 X 1.5(M)

XXX

***Please consult factory for any special connections

RANGE

CODE	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13
RANGE (psi)	-30"hg	-30"hg-15	-30"hg-30	-30"hg-60	-30"hg-100	-30"hg-160	-30"hg-200	-30"hg-300	15	30	60	100	160
CODE	E14	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24	E26	E27
RANGE (psi)	200	300	400	500	600	800	1000	1500	2000	3000	4000	6000	7500

E13

OPTIONAL EXTRAS

- | | |
|---|--------------------------------------|
| PS AISI 316 CASE & BEZEL | RW PLEXI GLASS |
| PW FIVE POINT CALIBRATION CERTIFICATE | RX SHATTERPROOF/SAFETY GLASS |
| PU CALIBRATION CERTIFICATE TRACEABLE TO NATIONAL/INTERNATIONAL STANDARDS | RZ TOUGHENED |
| QB INTEGRAL DAMPENING SCREW(AISI 316SS) | SW DIAL TAG MARKING |
| RH CUSTOM DESIGNED DIAL | GH MATERIAL TEST CERTIFICATES |
| SU BRASS MOVEMENT | SX SS TAG PLATE |
| | SY AISI 316SS TAG PLATE |

XX

Ordering Example: P-36-X-X-XXX-(E13)-XX

SPECIAL FEATURES

Stainless Steel Case & Measuring System
316 L SS/304 SS Wetted Parts Welded With Case
Helium Leak Tested Ready For Oxygen Use
Standard Followed ASME -B.40.1
IP:66

SPECIFICATIONS

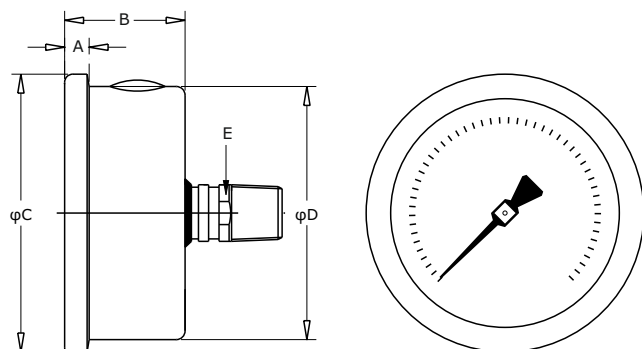
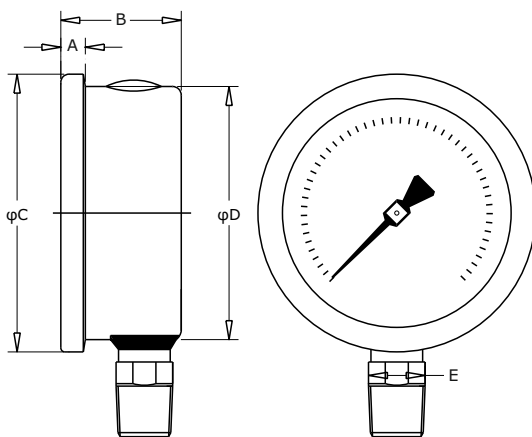
Ambient Temperature: -4°F(-20°C) to + 150°F (+65°C)
Process Temperature: Max.392°F (200°C)
Operating Pressure Range: 75% of Scale Value
Over Pressure Limit: 125% of Max.Scale Value
Case: AISI 304 SS
Joints: Tig Argon Arc Welding
Socket: AISI 304 SS
Bourdon: AISI 316L SS
Movement: Brass
Dial: Aluminum
Pointer: Fixed
Window: PC Lens
Range: Vacuum to 10,000psi



ACCURACY AS PER ASME B.40.1/EN837-1

1.5"/2" : 3-2-3 (Grade B)
2.5"/3"/4" : 2-1-2 (Grade A)

*Please consult factory for better accuracy availability.



NS	A	B	φC	φD	E	Weight (lbs)
1.5"	0.2"	1.0"	1.8"	1.6"	0.43"	0.18
2"	0.2"	1.2"	2.2"	2.0"	0.55"	0.26
2.5"	0.3"	1.2"	2.7"	2.4"	0.55"	0.40
3"	0.3"	1.4"	3.4"	3.1"	0.67"	0.73
4"	0.3"	1.9"	4.3"	3.9"	0.87"	1.32

NS	A	B	φC	φD	E	Weight (lbs)
1.5"	0.2"	1.0"	1.8"	1.6"	0.43"	0.18
2"	0.2"	1.2"	2.2"	2.0"	0.55"	0.26
2.5"	0.3"	1.2"	2.7"	2.4"	0.55"	0.40
3"	0.3"	1.4"	3.4"	3.1"	0.67"	0.73

HOW TO ORDER

Example

NOMINAL SIZE

B	C	D	E	F
1.5"	2"	2.5"	3"	4"

X

TYPE OF MOUNTING

- 1 WALL/SURFACE/PROJECTION MOUNTING WITH BOTTOM
- 2 BOTTOM
- 3 LOWER BACK
- 4 CENTER BACK
- 5 LOWER BACK WITH FRONT FLANGE
- 6 LOWER BACK CONNECTION WITH MOUNTING BRACKET
- 7 CENTER BACK WITH FRONT FLANGE
- 8 CENTER BACK WITH MOUNTING BRACKET

X

GAUGE CONNECTION

- 1BM** 1/8"BSP(M)
1NM 1/8"NPT(M)
1TM 1/8"BSPT(M)
2BM 1/4"BSP(M)
2NM 1/4"NPT(M)
2TM 1/4"BSPT(M)
3BM 3/8"BSP(M)
3NM 3/8"NPT(M)
3TM 3/8"BSPT(M)
4BM 1/2"BSP(M)
4NM 1/2"NPT(M)
4MM M20 X 1.5(M)

***Please consult factory for any special connections

XXX

RANGE

CODE	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14
RANGE (psi)	-30"hg	-30"hg-15	-30"hg-30	-30"hg-60	-30"hg-100	-30"hg-160	-30"hg-200	-30"hg-300	15	30	60	100	160	200
CODE	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24	E25	E26	E27	E28
RANGE (psi)	300	400	500	600	800	1000	1500	2000	3000	4000	5000	6000	7500	10,000

E13

OPTIONAL EXTRAS

- | | |
|--|---|
| <p> SG OXYGEN SERVICE (FOR DRY VERSION)
 TI MONEL BOURDON & SOCKET (MONEL VERSION)
 TF TESTED TO NACE STANDARD
 TB HELIUM LEAK TEST
 SD AISI 316 SS MOVEMENT
 SF MOVEMENT WITH DAMPENING JELLY
 RI 25mm BOD
 RH CUSTOM DESIGNED DIAL
 ZB RECEIVER RANGE
 AT ATEX (AS PER 2014/34/EU)
 ZC FREON RANGE (WITH TEMPERATURE SCALE)
 ZD AMMONIA RANGE (WITH TEMPERATURE SCALE)
 SW DIAL TAG MARKING
 RW PLEXI GLASS
 RX SHATTERPROOF /SAFETY GLASS
 RZ TOUGHENED GLASS
 SJ MAXIMUM READING POINTER WITH PLEXI GLASS
 ZM ELECTRO POLISHED CASE & BEZEL </p> | <p> CK EPOXY PAINTED CASE & BEZEL
 SQ CASE WITH ROLLING TYPE BEZEL
 OS CASE WITH BAYONET TYPE BEZEL
 PS AISI 316 SS CASE & BEZEL
 KA ON-OFF TYPE VENT PLUG
 SX SS TAG PLATE
 SY AISI 316SS TAG PLATE
 QB INTEGRAL DAMPENING SCREW (AISI 316 SS)
 FL INTEGRAL DAMPENING SCREW (MONEL)
 FS FILLABLE LIQUID SILICON OIL
 FG FILLABLE LIQUID GLYCERINE
 ZZ DIELECTRIC OIL FILLED
 PX DAMPENING LIQUID FLUOROLUBE FILLED
 PY DAMPENING LIQUID GLYCERINE OIL FILLED
 PZ DAMPENING LIQUID MINERAL LIQUID FILLED
 QA DAMPENING LIQUID SILICON OIL FILLED
 GH MATERIAL TEST CERTIFICATES
 PW FIVE POINT CALIBRATION CERTIFICATE NATIONAL/ INTERNATIONAL STANDARDS </p> |
|--|---|

XX

Ordering Example: P-37-X-X-XXX-(E13)-XX

SPECIAL FEATURES

Economic Type
Oxygen Clean Service Version
Standard Followed ASME -B.40.1 / EN837-1
IP:53

SPECIFICATIONS

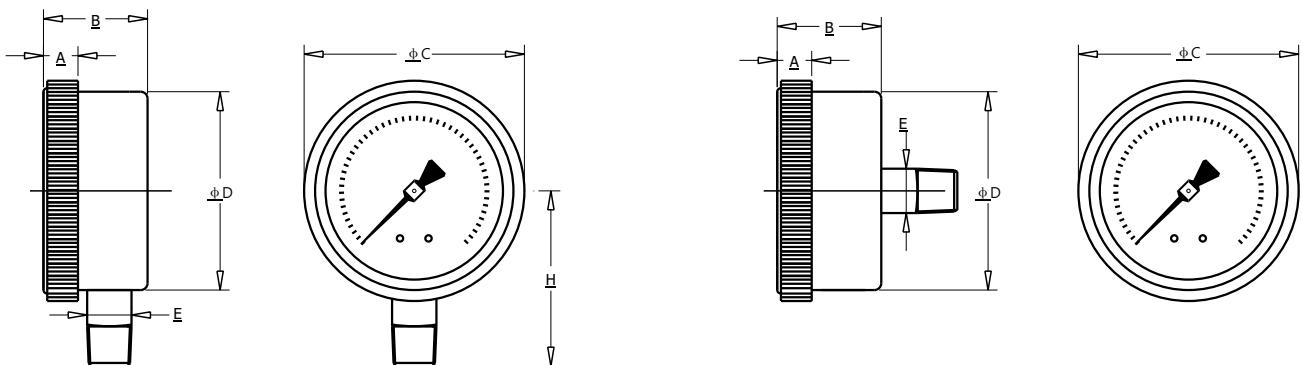
Ambient Temperature: -4°F (-20°C) to +150°F(+65°C)
Process Temperature: Max.250°F (120°C)
Operating Pressure Range: 75% of Scale Value
Over Pressure Limit: 120% of Max.Scale Value
Case: Steel Powder Coated
Joints: Alloy Brazing/Soldering
Socket: Copper Alloy
Bourdon: Copper Alloy
Movement: Copper Alloy
Dial:Aluminum
Pointer: Fixed
Window: Twist-on plastic lens
Range: Vacuum to 6000psi



ACCURACY AS PER ASME B.40.1/EN837-1

2" : 3-2-3 (Grade B)
2.5" 2-1-2 (Grade A)

*Please consult factory for better accuracy availability.



NS	A	B	φ C	φ D	E	H	Weight (lbs)
2"	0.37"	1.1"	2.2"	2"	0.55"	2"	0.22
2.5"	0.45"	1.18"	2.6"	2.4"	0.55"	2.3"	0.26

NS	A	B	φ C	φ D	E	Weight (lbs)
2"	0.37"	1.1"	2.2"	2"	0.55"	0.22
2.5"	0.45"	1.14"	2.6"	2.4"	0.55"	0.26

HOW TO ORDER

NOMINAL SIZE

C D
2 " 2.5 "

Example

X

TYPE OF MOUNTING

2 BOTTOM
4 CENTER BACK

X

GAUGE CONNECTION

2BM 1/4"BSP(M)
2NM 1/4"NPT(M)
3BM 3/8"BSP(M)
3NM 3/8"NPT(M)
4BM 1/2"BSP(M)
4NM 1/2"NPT(M)
4MM M20 X 1.5(M)

XXX

***Please consult factory for any special connections

RANGE

CODE	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13
RANGE (psi)	-30"hg	-30"hg-15	-30"hg-30	-30"hg-60	-30"hg-100	-30"hg-160	-30"hg-200	-30"hg-300	15	30	60	100	160
CODE	E14	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24	E25	E26
RANGE (psi)	200	300	400	500	600	800	1000	1500	2000	3000	4000	5000	6000

E13

OPTIONAL EXTRAS

SF MOVEMENT WITH DAMPENING JELLY
RH CUSTOM DESIGNED DIAL
ZB RECEIVER RANGE
ZC FREON RANGE (WITH TEMPERATURE SCALE)
ZD AMMONIA RANGE (WITH TEMPERATURE SCALE)
SW DIAL TAG MARKING
RW PLEXI GLASS
RZ TOUGHENED GLASS
SY AISI 316SS TAG PLATE

SJ MAXIMUM READING POINTER WITH PLEXI GLASS (FOR DRY VERSION)
ZM ELECTRO POLISHED CASE & BEZEL
CK EPOXY PAINTED CASE & BEZEL
SQ CASE WITH ROLLING TYPE BEZEL
FK INTEGRAL DAMPENING SCREW (BRASS)
GH MATERIAL TEST CERTIFICATES
PW FIVE POINT CALIBRATION CERTIFICATE NATIONAL/ INTERNATIONAL STANDARDS

XX

Ordering Example: P-38-X-X-XXX-(E13)-XX

SPECIAL FEATURES

Stainless Steel Case Welded To Socket
 Dry or Liquid Filled Version
 Testing Standard :
 NSF/ANSI/CAN 61
 NSF/ANSI 372
 Helium Leak Tested
 Ready For Oxygen Use
 NSF Certificate for drinking water application
 IP:66

ROHS
 COMPLIANT



SPECIFICATIONS

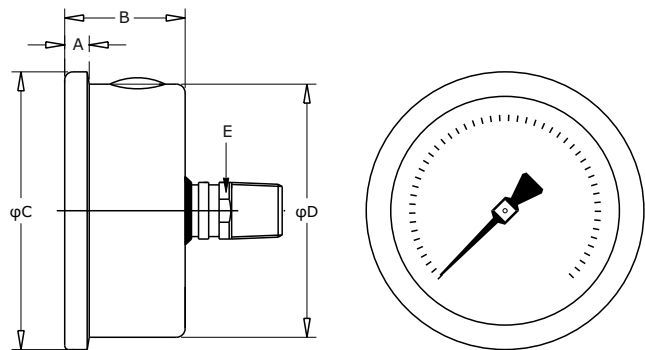
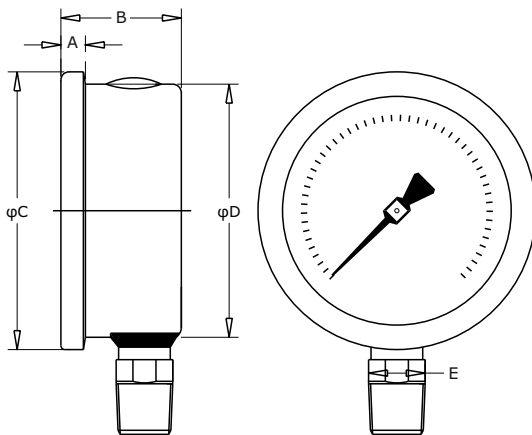
Ambient Temperature: -4°F(-20°C) to + 150°F(+65°C)
 Process Temperature: Max.392°F (200°C)
 Operating Pressure Range: 75% of Scale Value
 Over Pressure Limit: 125% of Max.Scale Value
 Case: AISI 304 SS Crimped Type
 Joints: Tig Argon Arc Welding
 Socket: AISI 304 SS
 Bourdon: AISI 316L SS
 Movement: Brass
 Dial: Aluminum
 Pointer: Fixed
 Window: PC lens
 Range: Vacuum to 10,000psi



ACCURACY AS PER ASME B.40.1/EN837-1

1.5"/2" : 3-2-3 (Grade B)
 2.5"/3"/4" : 2-1-2 (Grade A)

*Please consult factory for better accuracy availability.



NS	A	B	φC	φD	E	Weight (lbs)
1.5"	0.2"	1.0"	1.8"	1.6"	0.43"	0.18
2"	0.2"	1.2"	2.2"	2.0"	0.55"	0.26
2.5"	0.3"	1.2"	2.7"	2.4"	0.55"	0.40
3"	0.3"	1.4"	3.4"	3.1"	0.67"	0.73
4"	0.3"	1.9"	4.3"	3.9"	0.87"	1.32

NS	A	B	φC	φD	E	Weight (lbs)
1.5"	0.2"	1.0"	1.8"	1.6"	0.43"	0.18
2"	0.2"	1.2"	2.2"	2.0"	0.55"	0.26
2.5"	0.3"	1.2"	2.7"	2.4"	0.55"	0.40
3"	0.3"	1.4"	3.4"	3.1"	0.67"	0.73

HOW TO ORDER

Example

NOMINAL SIZE

B	C	D	E	F
1.5"	2"	2.5"	3"	4"

X

TYPE OF MOUNTING

- 1 WALL/SURFACE/PROJECTION MOUNTING WITH BOTTOM
- 2 BOTTOM
- 3 LOWER BACK
- 4 CENTER BACK
- 5 LOWER BACK WITH FRONT FLANGE
- 6 LOWER BACK WITH MOUNTING BRACKET
- 7 CENTER BACK WITH FRONT FLANGE
- 8 CENTER BACK WITH MOUNTING BRACKET

X

GAUGE CONNECTION

- 1BM** 1/8"BSP(M)
1NM 1/8"NPT(M)
1TM 1/8"BSPT(M)
2BM 1/4"BSP(M)
2NM 1/4"NPT(M)
2TM 1/4"BSPT(M)
3BM 3/8"BSP(M)
3NM 3/8"NPT(M)
3TM 3/8"BSPT(M)
4BM 1/2"BSP(M)
4NM 1/2"NPT(M)
4MM M20 X 1.5(M)

***Please consult factory for any special connections

XXX

RANGE

CODE	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14
RANGE (psi)	-30"hg	-30"hg-15	-30"hg-30	-30"hg-60	-30"hg-100	-30"hg-160	-30"hg-200	-30"hg-300	15	30	60	100	160	200
CODE	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24	E25	E26	E27	E28
RANGE (psi)	300	400	500	600	800	1000	1500	2000	3000	4000	5000	6000	7500	10,000

E13

OPTIONAL EXTRAS

- | | |
|---|--|
| SG OXYGEN SERVICE (FOR DRY VERSION)
TI MONEL BOURDON & SOCKET (MONEL VERSION)
TF TESTED TO NACE STANDARD
TB HELIUM LEAK TEST
SD AISI 316 SS MOVEMENT
SF MOVEMENT WITH DAMPENING JELLY
RI 25mm BOD
RH CUSTOM DESIGNED DIAL
ZB RECEIVER RANGE
AT ATEX (AS PER 2014/34/EU)
ZC FREON RANGE (WITH TEMPERATURE SCALE)
ZD AMMONIA RANGE (WITH TEMPERATURE SCALE)
SW DIAL TAG MARKING
RW PLEXI GLASS
RX SHATTERPROOF /SAFETY GLASS
RZ TOUGHENED GLASS
SJ MAXIMUM READING POINTER WITH PLEXI GLASS
ZM ELECTRO POLISHED CASE & BEZEL | CK EPOXY PAINTED CASE & BEZEL
SQ CASE WITH ROLLING TYPE BEZEL
OS CASE WITH BAYONET TYPE BEZEL
PS AISI 316 SS CASE & BEZEL
KA ON-OFF TYPE VENT PLUG
SX SS TAG PLATE
SY AISI 316SS TAG PLATE
QB INTEGRAL DAMPENING SCREW (AISI 316 SS)
FL INTEGRAL DAMPENING SCREW (MONEL)
FS FILLABLE LIQUID SILICON OIL
FG FILLABLE LIQUID GLYCERINE
ZZ DIELECTRIC OIL FILLED
PX DAMPENING LIQUID FLOUROLUBE FILLED
PY DAMPENING LIQUID GLYCERINE OIL FILLED
PZ DAMPENING LIQUID MINERAL LIQUID FILLED
QA DAMPENING LIQUID SILICON OIL FILLED
GH MATERIAL TEST CERTIFICATES
PW FIVE POINT CALIBRATION CERTIFICATE NATIONAL/ INTERNATIONAL STANDARDS |
|---|--|

XX

Ordering Example: P-39-X-X-XXX-(E13)-XX

SPECIAL FEATURES

Economic Version
 RANGE 0-300 psi
 Standard Followed ASME -B.40.1 / EN837-1
 Fire sprinkler systems application
 IP:53

SPECIFICATIONS

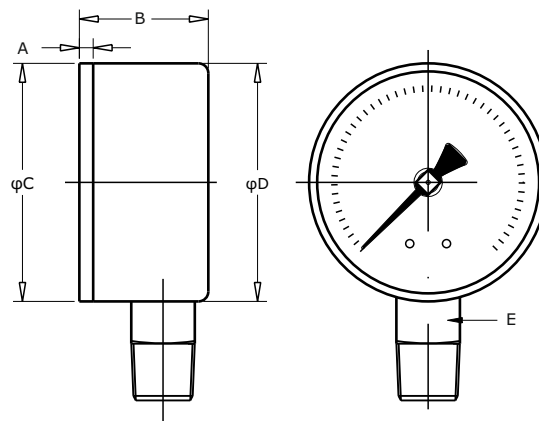
Ambient Temperature: -4°F(-20°C) to +150°F(+65°C)
 Process Temperature: Max.250°F (120°C)
 Operating Pressure Range: 75% of Scale Value
 Over Pressure Limit: 120% of Max.Scale Value
 Case: ABS Plastic Case
 Joints: Alloy Brazing/Soldering
 Socket: Copper Alloy
 Bourdon: Copper Alloy
 Movement: Copper Alloy
 Dial:Aluminum
 Pointer: Fixed
 Window: Snap in Plastic Lens
 Range: 300psi



ACCURACY AS PER ASME B.40.1/EN837-1

4" 2-1-2 (GRADE A)

*Please consult factory for better accuracy availability.



NS	A	B	φ C	φ D	E	Weight (lbs)
4"	0.14"	1.2"	3.9"	3.9"	0.55"	0.82

HOW TO ORDER

NOMINAL SIZE

F

4 "

Example

X

TYPE OF MOUNTING

- 1 WALL/SURFACE/PROJECTION MOUNTING WITH BOTTOM
- 2 BOTTOM

X

GAUGE CONNECTION

- 2BM** 1/4" BSP(M)
- 2NM** 1/4" NPT(M)
- 3BM** 3/8" BSP(M)
- 3NM** 3/8" NPT(M)
- 4BM** 1/2" BSP(M)
- 4NM** 1/2" NPT(M)
- 4MM** M20 X 1.5(M)

XXX

***Please consult factory for any special connections

OPTIONAL EXTRAS

- | | |
|---|--|
| SG OXYGEN SERVICE (FOR DRY VERSION) | RW PLEXI GLASS |
| SF MOVEMENT WITH DAMPENING JELLY | RZ TOUGHENED GLASS |
| RH CUSTOM DESIGNED DIAL | SJ MAXIMUM READING POINTER WITH PLEXI GLASS (FOR DRY VERSION) |
| ZB RECEIVER RANGE | FK INTEGRAL DAMPENING SCREW (BRASS) |
| ZC FREON RANGE (WITH TEMPERATURE SCALE) | GH MATERIAL TEST CERTIFICATES |
| ZD AMMONIA RANGE (WITH TEMPERATURE SCALE) | PW FIVE POINT CALIBRATION CERTIFICATE NATIONAL/ INTERNATIONAL STANDARDS |
| SW DIAL TAG MARKING | |

XX

Ordering Example: P-40-X-X-XXX-(E15)-XX

SPECIAL FEATURES

The Instruments has 2 independent measuring systems. The measured pressure deflects the elastic elements, displacements then take place to actuate gear mechanisms through linkages to carry 2 pointers travelling over instruments dial, an auxiliary dial shows the pressure difference.

SPECIFICATIONS

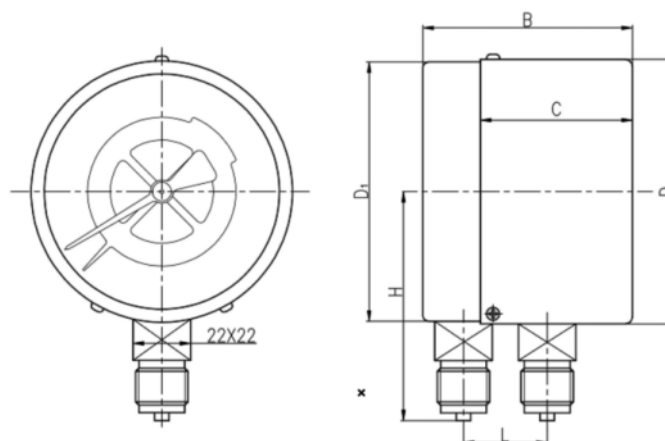
Accuracy Class: 1.6
 Scale Range : 1 Bar to 100 Bar or other equivalent units of pressure & vacuum.
 Ambient Temperature : -25 to 65°C
 Process Temperature : Max 100°C
 Static Pressure : Safe upto 100 Bar not depending on scale range.
 Case & Bezel : AISI 304 SS (Bayonet type)
 Bourdon Tube : AISI 316L SS
 Movement : AISI 304 SS
 Process Connection : 1/2"NPT(M) X 2 Nos.
 Joint : Tig Argon Arc Welding
 Protection : IP 45
 Dial : Aluminium, Black Graduation on white background
 Pointer : Aluminium, Black Coloured, Micrometer zero adjustable
 Window: Safety Glass
 Case Gasket : Neoprene Rubber



APPLICATIONS

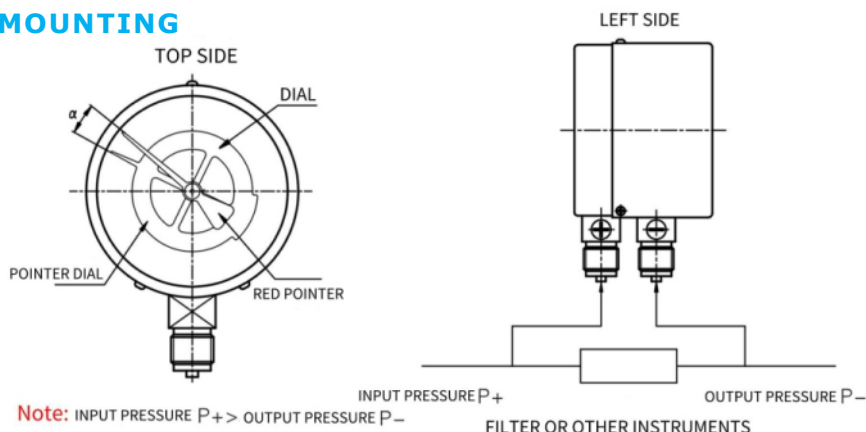
Chemicals / Refinery / Nuclear / Aerospace /
 Fertilizer / Petrochemicals / Pharmaceutical /
 Power / Cement / Sugar / Food & Beverages /
 Pulp / Paper & Allied Process Industries.

*Please consult factory for better accuracy availability.



NS	D	D1	B	C	H	L
100mm	101.00	99.00	80.00	58.00	87.50	32.00
160mm	159.00	157.00	82.00	76.00	146.00	32.00

SKETCH MAP OF MOUNTING



MOUNTING AND OPERATING INSTRUCTION

OPERATING INSTRUCTION

1. The Highest indicated value is the highest pressure permitted.
2. We advice using the $1/2 \sim 1/3$ of the range as ΔP . It is not convenient to read it is too small ΔP should not lower than $1/10$ of full scale value.
3. The red pointer shows the plus pressure (the pressure input). The Dial pointer shows the minus pressure (the pressure output). The value could be saw by the angle α between the red and dial pointers (see directly on the dial pointer) and we can compute the difference using the pointed values of the red pointer and the dial pointer ($\Delta P = P+ - P-$)
4. It is suitable to measure gas and liquid medium, suggested in room in $-20^{\circ}\text{C} - 60^{\circ}\text{C}$.
5. The general lowest range is 0.16MPa. It could be made to 2.5% if range is 0.1 Mpa requested.
6. While mounting the $\oplus$ end should be deployed with pressure input terminal and the $\ominus$ end should be deployed with pressure output terminal.

HOW TO ORDER

NOMINAL SIZE

F H

TYPE OF MOUNTING

4" 6"

- 1 WALL/SURFACE/PROJECTION MOUNTING WITH BOTTOM
- 2 BOTTOM

GAUGE CONNECTION

2BM	1/4"BSP(M)
2NM	1/4"NPT(M)
2TM	1/4"BSPT(M)
3BM	3/8"BSP(M)
3TM	3/8"BSPT(M)
4BM	1/2"BSP(M) STANDARD
4NM	1/2"NPT(M) STANDARD
4TM	1/2"BSPT(M)
4MM	M20X1.5(M)

***Please consult factory for any special connections

RANGE

CODE	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14
RANGE (psi)	-30"hg	-30"hg-15	-30"hg-30	-30"hg-60	-30"hg-100	-30"hg-160	-30"hg-200	-30"hg-300	15	30	60	100	160	200
CODE	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24	E25	E26	E27	E28
RANGE (psi)	300	400	500	600	800	1000	1500	2000	3000	4000	5000	6000	7500	10000

Ordering Example: P-41-X-X-XXX-0-10 Bar -XX

Example

X

X

XXX

0-10
Bar

SPECIAL FEATURES

Standard Followed ASME-B 40.1 / EN837-1
 Wetted Parts AISI 316L Stainless Steel
 Build in Stabilizer Movement
 Dry or Liquid Version
 NACE MR 0175 Compliance
 Helium Leak Tested
 40mm Temperature Compensated Blow Out Disc
 Internal Vacuum/ Over Pressure Stops
 IP 66

SPECIFICATIONS

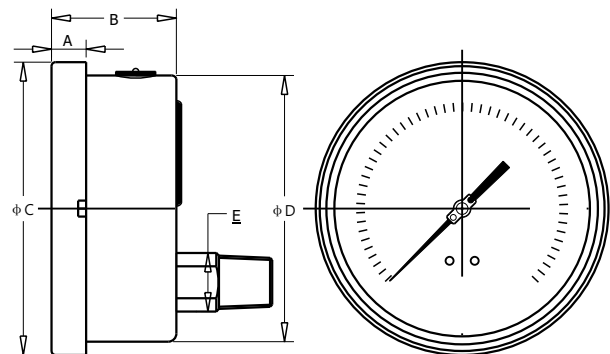
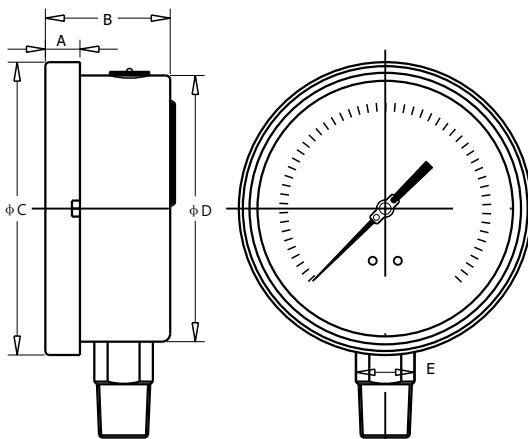
Ambient Temperature: -4°F(-20°C) to +150°F(+65°C)
 Process Temperature: Max.392°F(200°C)
 Operating Pressure Range: 75% of Scale Value
 Over Pressure Limit: 125% of Max. Scale Value
 Case: AISI 304SS
 Joints: Tig Argon Arc Welding
 Socket: HASTELLOY C-276
 Bourdon: HASTELLOY C-276
 Movement: AISI 304 SS
 Dial: Aluminum
 Pointer: Micro Zero Adjustable
 Window: Safety Glass
 Range: Vacuum to 10,000PSI



ACCURACY AS PER ASME B.40.1/EN837-1

4"/4.5"/6" : 1-1-1 (GRADE 1A)

*Please consult factory for better accuracy availability.



NS	A	B	φC	φD	E	Weight (lbs)
4"	0.5"	1.87"	4.4"	4"	0.87"	1.32
4.5"	0.6"	1.87"	5"	4.5"	0.87"	1.50
6"	0.6"	1.87"	6.4"	5.9"	0.87"	2.65

NS	A	B	φC	φD	E	Weight (lbs)
4"	0.5"	1.87"	4.4"	4"	0.87"	1.32
4.5"	0.6"	1.87"	5"	4.5"	0.87"	1.50
6"	0.6"	1.87"	6.4"	5.9"	0.87"	2.65

HOW TO ORDER

NOMINAL SIZE

F G H
4" 4.5" 6"

Example

X

TYPE OF MOUNTING

- 1 WALL/SURFACE/PROJECTION MOUNTING WITH BOTTOM
- 2 BOTTOM
- 3 LOWER BACK
- 5 LOWER BACK WITH FRONT FLANGE
- 6 LOWER BACK WITH MOUNTING BRACKET

X

GAUGE CONNECTION

- 2BM** 1/4"BSP(M)
2NM 1/4"NPT(M)
3BM 3/8"BSP(M)
3NM 3/8"NPT(M)
4BM 1/2"BSP(M)
4NM 1/2"NPT(M)
4MM M20 X 1.5(M)

***Please consult factory for any special connections

XXX

RANGE

CODE	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14
RANGE (psi)	-30"hg	-30"hg-15	-30"hg-30	-30"hg-60	-30"hg-100	-30"hg-160	-30"hg-200	-30"hg-300	15	30	60	100	160	200
CODE	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24	E25	E26	E27	E28
RANGE (psi)	300	400	500	600	800	1000	1500	2000	3000	4000	5000	6000	7500	10000

E13

OPTIONAL EXTRAS

- | | |
|---|--|
| SG OXYGEN SERVICE (FOR DRY VERSION) | ZM ELECTRO POLISHED CASE & BEZEL |
| OA ACCURACY + 0.5% OF F.S. | CK EPOXY PAINTED CASE & BEZEL |
| TI MONEL BOURDON & SOCKET (MONEL VERSION) | SQ CASE WITH ROLLING TYPE BEZEL |
| TF TESTED TO NACE STANDARD | OS CASE WITH BAYONET TYPE BEZEL |
| TB HELIUM LEAK TEST | PS AISI 316 SS CASE & BEZEL |
| SD AISI 316 SS MOVEMENT | KA ON-OFF TYPE VENT PLUG |
| SF MOVEMENT WITH DAMPENING JELLY | SX SS TAG PLATE |
| RI 25mm BOD | SY AISI 316SS TAG PLATE |
| SI KNIFE EDGE POINTER | SA INTERNAL OVERPRESSURE STOP |
| FN 2" PIPE/YOKE MOUNTING BRACKET & 'U' CLAMP (AISI 316 SS) | SB INTERNAL VACUUM STOP |
| RG ANTI PARALLAX MIRROR BAND DIAL | ZL OVER RANGE PROTECTION |
| RH CUSTOM DESIGNED DIAL | QB INTEGRAL DAMPENING SCREW (AISI 316 SS) |
| ZB RECEIVER RANGE | FL INTEGRAL DAMPENING SCREW (MONEL) |
| AT ATEX (AS PER 2014/34/EU) | FS FILLABLE LIQUID SILICON OIL |
| ZC FREON RANGE (WITH TEMPERATURE SCALE) | FG FILLABLE LIQUID GLYCERINE |
| ZD AMMONIA RANGE (WITH TEMPERATURE SCALE) | ZZ DIELECTRIC OIL FILLED |
| SW DIAL TAG MARKING | PX DAMPENING LIQUID FLOUROLUBE FILLED |
| RW PLEXI GLASS | PY DAMPENING LIQUID GLYCERINE OIL FILLED |
| RX SHATTERPROOF /SAFETY GLASS | PZ DAMPENING LIQUID MINERAL LIQUID FILLED |
| RZ TOUGHENED GLASS | QA DAMPENING LIQUID SILICON OIL FILLED |
| SJ MAXIMUM READING POINTER WITH PLEXI GLASS FILLABLE VERSION | GH MATERIAL TEST CERTIFICATES |
| | PW FIVE POINT CALIBRATION CERTIFICATE NATIONAL/ INTERNATIONAL STANDARDS |

XX

Ordering Example: P-42-X-X-XXX-(E13)-XX

SPECIAL FEATURES

Standard Followed ASME-B 40.1 / EN837-1
 Wetted Parts AISI 316L Stainless Steel
 Build in Stabilizer Movement
 Dry or Liquid Version
 NACE MR 0175 Compliance
 Helium Leak Tested
 40mm Temperature Compensated Blow Out Disc
 Internal Vacuum/ Over Pressure Stops
 IP 66

SPECIFICATIONS

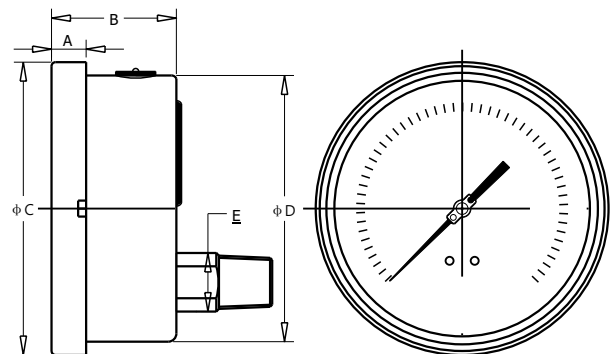
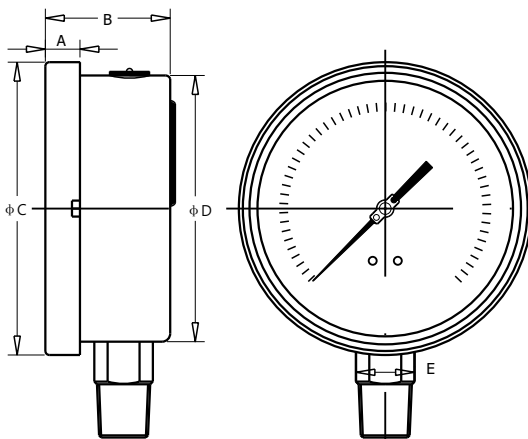
Ambient Temperature: -4°F(-20°C) to +150°F(+65°C)
 Process Temperature: Max. 392°F(200°C)
 Operating Pressure Range: 75% of Scale Value
 Over Pressure Limit: 125% of Max. Scale Value
 Case: AISI 304SS
 Joints: Tig Argon Arc Welding
 Socket: INCONEL 625
 Bourdon: INCONEL 625
 Movement: AISI 304 SS
 Dial: Aluminum
 Pointer: Micro Zero Adjustable
 Window: Safety Glass
 Range: Vacuum to 10,000PSI



ACCURACY AS PER ASME B.40.1/EN837-1

4"/4.5"/6" : 1-1-1 (GRADE 1A)

*Please consult factory for better accuracy availability.



NS	A	B	φC	φD	E	Weight (lbs)
4"	0.5"	1.87"	4.4"	4"	0.87"	1.32
4.5"	0.6"	1.87"	5"	4.5"	0.87"	1.50
6"	0.6"	1.87"	6.4"	5.9"	0.87"	2.65

NS	A	B	φC	φD	E	Weight (lbs)
4"	0.5"	1.87"	4.4"	4"	0.87"	1.32
4.5"	0.6"	1.87"	5"	4.5"	0.87"	1.50
6"	0.6"	1.87"	6.4"	5.9"	0.87"	2.65

HOW TO ORDER

NOMINAL SIZE

F	G	H
4"	4.5"	6"

Example

X

TYPE OF MOUNTING

- 1 WALL/SURFACE/PROJECTION MOUNTING WITH BOTTOM
- 2 BOTTOM
- 3 LOWER BACK
- 5 LOWER BACK WITH FRONT FLANGE
- 6 LOWER BACK WITH MOUNTING BRACKET

X

GAUGE CONNECTION

- 2BM** 1/4"BSP(M)
2NM 1/4"NPT(M)
3BM 3/8"BSP(M)
3NM 3/8"NPT(M)
4BM 1/2"BSP(M)
4NM 1/2"NPT(M)
4MM M20 X 1.5(M)

***Please consult factory for any special connections

XXX

RANGE

CODE	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14
RANGE (psi)	-30"hg	-30"hg-15	-30"hg-30	-30"hg-60	-30"hg-100	-30"hg-160	-30"hg-200	-30"hg-300	15	30	60	100	160	200
CODE	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24	E25	E26	E27	E28
RANGE (psi)	300	400	500	600	800	1000	1500	2000	3000	4000	5000	6000	7500	10000

E13

OPTIONAL EXTRAS

- | | |
|--|---|
| <p> SG OXYGEN SERVICE (FOR DRY VERSION)
 OA ACCURACY + 0.5% OF F.S.
 TI MONEL BOURDON & SOCKET (MONEL VERSION)
 TF TESTED TO NACE STANDARD
 TB HELIUM LEAK TEST
 SD AISI 316 SS MOVEMENT
 SF MOVEMENT WITH DAMPENING JELLY
 RI 25mm BOD
 SI KNIFE EDGE POINTER
 FN 2" PIPE/YOKE MOUNTING BRACKET & 'U' CLAMP (AISI 316 SS)
 RG ANTI PARALLAX MIRROR BAND DIAL
 RH CUSTOM DESIGNED DIAL
 ZB RECEIVER RANGE
 AT ATEX (AS PER 2014/34/EU)
 ZC FREON RANGE (WITH TEMPERATURE SCALE)
 ZD AMMONIA RANGE (WITH TEMPERATURE SCALE)
 SW DIAL TAG MARKING
 RW PLEXI GLASS
 RX SHATTERPROOF /SAFETY GLASS
 RZ TOUGHENED GLASS
 SJ MAXIMUM READING POINTER WITH PLEXI GLASS FILLABLE VERSION </p> | <p> ZM ELECTRO POLISHED CASE & BEZEL
 CK EPOXY PAINTED CASE & BEZEL
 SQ CASE WITH ROLLING TYPE BEZEL
 OS CASE WITH BAYONET TYPE BEZEL
 PS AISI 316 SS CASE & BEZEL
 KA ON-OFF TYPE VENT PLUG
 SX SS TAG PLATE
 SY AISI 316SS TAG PLATE
 SA INTERNAL OVERPRESSURE STOP
 SB INTERNAL VACUUM STOP
 ZL OVER RANGE PROTECTION
 QB INTEGRAL DAMPENING SCREW (AISI 316 SS)
 FL INTEGRAL DAMPENING SCREW (MONEL)
 FS FILLABLE LIQUID SILICON OIL
 FG FILLABLE LIQUID GLYCERINE
 ZZ DIELECTRIC OIL FILLED
 PX DAMPENING LIQUID FLOUROLUBE FILLED
 PY DAMPENING LIQUID GLYCERINE OIL FILLED
 PZ DAMPENING LIQUID MINERAL LIQUID FILLED
 QA DAMPENING LIQUID SILICON OIL FILLED
 GH MATERIAL TEST CERTIFICATES
 PW FIVE POINT CALIBRATION CERTIFICATE NATIONAL/ INTERNATIONAL STANDARDS </p> |
|--|---|

XX

Ordering Example: P-43-X-X-XXX-(E13)-XX

SPECIAL FEATURES

Standard Followed ASME-B 40.1 / EN837-1
 Wetted Parts AISI 316L Stainless Steel
 Build in Stabilizer Movement
 Dry or Liquid Version
 NACE MR 0175 Compliance
 Helium Leak Tested
 40mm Temperature Compensated Blow Out Disc
 Internal Vacuum/ Over Pressure Stops
 IP 66

SPECIFICATIONS

Ambient Temperature: -4°F (-20°C) to +150°F (+65°C)
 Process Temperature: Max.392°F (200°C)
 Operating Pressure Range: 75% of Scale Value
 Over Pressure Limit: 125% of Max.Scale Value
 Case: AISI 304 SS
 Joints: Tig Argon Arc Welding
 Socket: HASTELLOY C-276
 Bourdon: HASTELLOY C-276
 Movement: AISI 304 SS
 Dial: Aluminum
 Pointer: Micro Zero Adjustable
 Window: Safety Glass
 Range: Vacuum to 10,000psi

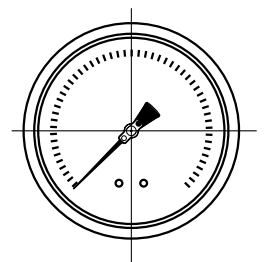
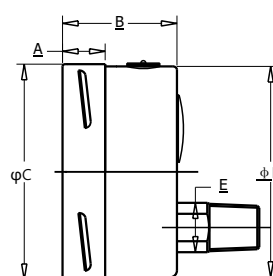
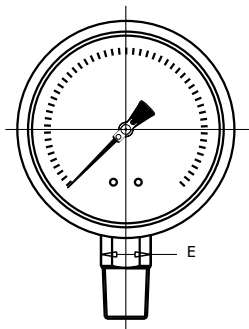
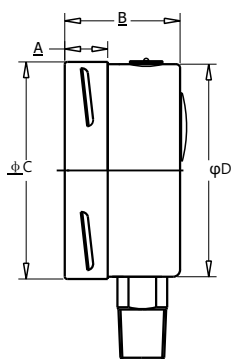


ACCURACY AS PER ASME B.40.1/EN837-1

2.5"/3" : 2-1-2 (GRADE A)

4"/6"/8"/10" : 1-1-1 (GRADE 1A)

*Please consult factory for better accuracy availability.



NS	A	B	φ C	φ D	E	Weight (lbs)
2.5"	0.5"	1.3"	2.5"	2.44"	0.55"	0.40
3"	0.55"	1.56"	3.1"	3"	0.67"	0.60
4"	0.67"	1.93"	3.95"	3.9"	0.87"	1.32
6"	0.68"	1.97"	6.34"	6.2"	0.87"	2.64
8"	0.68"	2"	7.87"	7.64"	0.87"	3.97
10"	0.68"	2"	9.84"	9.74"	0.87"	4.85

NS	A	B	φ C	φ D	E	Weight (lbs)
2.5"	0.5"	1.3"	2.5"	2.44"	0.55"	0.40
3"	0.55"	1.56"	3.1"	3"	0.67"	0.60
4"	0.67"	1.93"	3.95"	3.9"	0.87"	1.32
6"	0.68"	1.97"	6.34"	6.2"	0.87"	2.64
8"	0.68"	2"	7.87"	7.64"	0.87"	3.97
10"	0.68"	2"	9.84"	9.74"	0.87"	4.85

HOW TO ORDER

NOMINAL SIZE

D	E	F	H	I	J
2.5"	3"	4"	6"	8"	10"

Example

X

TYPE OF MOUNTING

- 1 WALL/SURFACE/PROJECTION MOUNTING WITH BOTTOM
- 2 BOTTOM
- 3 LOWER BACK
- 4 CENTER BACK
- 5 LOWER BACK WITH FRONT FLANGE
- 6 LOWER BACK WITH MOUNTING BRACKET
- 7 CENTER BACK WITH FRONT FLANGE
- 8 CENTER BACK WITH MOUNTING BRACKET

X

GAUGE CONNECTION

- 2BM** 1/4"BSP(M)
2NM 1/4"NPT(M)
3BM 3/8"BSP(M)
3NM 3/8"NPT(M)
4BM 1/2"BSP(M)
4NM 1/2"NPT(M)
4MM M20 X 1.5(M)
4TM 1/2" BSPT(M)

XXX

***Please consult factory for any special connections

RANGE

CODE	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14
RANGE (psi)	-30"hg	-30"hg-15	-30"hg-30	-30"hg-60	-30"hg-100	-30"hg-160	-30"hg-200	-30"hg-300	15	30	60	100	160	200
CODE	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24	E25	E26	E27	E28
RANGE (psi)	300	400	500	600	800	1000	1500	2000	3000	4000	5000	6000	7500	10000

E13

OPTIONAL EXTRAS

- | | |
|--|---|
| <p> SG OXYGEN SERVICE (FOR DRY VERSION)
 OA ACCURACY + 0.5% OF F.S.
 TI MONEL BOURDON & SOCKET (MONEL VERSION)
 TF TESTED TO NACE STANDARD
 TB HELIUM LEAK TEST
 SD AISI 316 SS MOVEMENT
 SF MOVEMENT WITH DAMPENING JELLY
 RI 25mm BOD
 SI KNIFE EDGE POINTER
 FN 2" PIPE/YOKE MOUNTING BRACKET & 'U' CLAMP (AISI 316 SS)
 RG ANTI PARALLAX MIRROR BAND DIAL
 RH CUSTOM DESIGNED DIAL
 ZB RECEIVER RANGE
 AT ATEX (AS PER 2014/34/EU)
 ZC FREON RANGE (WITH TEMPERATURE SCALE)
 ZD AMMONIA RANGE (WITH TEMPERATURE SCALE)
 SW DIAL TAG MARKING
 RW PLEXI GLASS
 RX SHATTERPROOF /SAFETY GLASS
 RZ TOUGHENED GLASS
 SJ MAXIMUM READING POINTER WITH PLEXI GLASS FILLABLE VERSION </p> | <p> ZM ELECTRO POLISHED CASE & BEZEL
 CK EPOXY PAINTED CASE & BEZEL
 SQ CASE WITH ROLLING TYPE BEZEL
 PS AISI 316 SS CASE & BEZEL
 KA ON-OFF TYPE VENT PLUG
 SX SS TAG PLATE
 SY AISI 316SS TAG PLATE
 SA INTERNAL OVERPRESSURE STOP
 SB INTERNAL VACUUM STOP
 ZL OVER RANGE PROTECTION
 QB INTEGRAL DAMPENING SCREW (AISI 316 SS)
 FL INTEGRAL DAMPENING SCREW (MONEL)
 FS FILLABLE LIQUID SILICON OIL
 FG FILLABLE LIQUID GLYCERINE
 ZZ DIELECTRIC OIL FILLED
 PX DAMPENING LIQUID FLUOROLUBE FILLED
 PY DAMPENING LIQUID GLYCERINE OIL FILLED
 PZ DAMPENING LIQUID MINERAL LIQUID FILLED
 QA DAMPENING LIQUID SILICON OIL FILLED
 GH MATERIAL TEST CERTIFICATES
 PW FIVE POINT CALIBRATION CERTIFICATE NATIONAL/ INTERNATIONAL STANDARDS </p> |
|--|---|

XX

Ordering Example: P-44-X-X-XXX-(E13)-XX

SPECIAL FEATURES

Standard Followed ASME-B 40.1 / EN837-1
Wetted Parts AISI 316L Stainless Steel
Build in Stabilizer Movement
Dry or Liquid Version
NACE MR 0175 Compliance
Helium Leak Tested
40mm Temperature Compensated Blow Out Disc
Internal Vacuum/ Over Pressure Stops
IP 66

SPECIFICATIONS

Ambient Temperature: -4°F (-20°C) to +150°F(+65°C)
Process Temperature: Max.392°F (200°C)
Operating Pressure Range: 75% of Scale Value
Over Pressure Limit: 125% of Max.Scale Value
Case: AISI 304 SS
Joints: Tig Argon Arc Welding
Socket: INCONEL 625
Bourdon: INCONEL 625
Movement: AISI 304 SS
Dial: Aluminum
Pointer: Micro Zero Adjustable
Window: Safety Glass
Range: Vacuum to 10,000psi

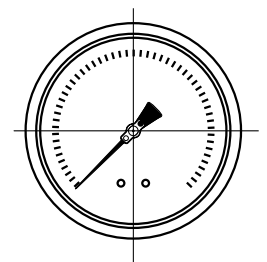
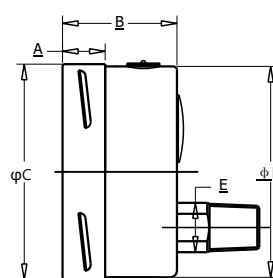
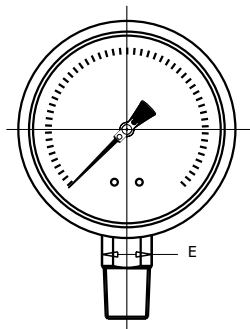
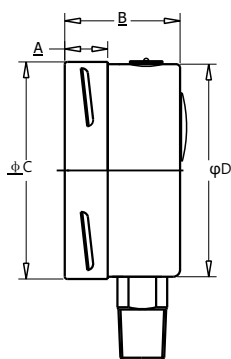


ACCURACY AS PER ASME B.40.1/EN837-1

2.5"/3" : 2-1-2 (GRADE A)

4"/6"/8"/10" : 1-1-1 (GRADE 1A)

*Please consult factory for better accuracy availability.



NS	A	B	φ C	φ D	E	Weight (lbs)
2.5"	0.5"	1.3"	2.5"	2.44"	0.55"	0.40
3"	0.55"	1.56"	3.1"	3"	0.67"	0.60
4"	0.67"	1.93"	3.95"	3.9"	0.87"	1.32
6"	0.68"	1.97"	6.34"	6.2"	0.87"	2.64
8"	0.68"	2"	7.87"	7.64"	0.87"	3.97
10"	0.68"	2"	9.84"	9.74"	0.87"	4.85

NS	A	B	φ C	φ D	E	Weight (lbs)
2.5"	0.5"	1.3"	2.5"	2.44"	0.55"	0.40
3"	0.55"	1.56"	3.1"	3"	0.67"	0.60
4"	0.67"	1.93"	3.95"	3.9"	0.87"	1.32
6"	0.68"	1.97"	6.34"	6.2"	0.87"	2.64
8"	0.68"	2"	7.87"	7.64"	0.87"	3.97
10"	0.68"	2"	9.84"	9.74"	0.87"	4.85

HOW TO ORDER

NOMINAL SIZE

D	E	F	H	I	J
2.5"	3"	4"	6"	8"	10"

X

TYPE OF MOUNTING

- 1 WALL/SURFACE/PROJECTION MOUNTING WITH BOTTOM
- 2 BOTTOM
- 3 LOWER BACK
- 4 CENTER BACK
- 5 LOWER BACK WITH FRONT FLANGE
- 6 LOWER BACK WITH MOUNTING BRACKET
- 7 CENTER BACK WITH FRONT FLANGE
- 8 CENTER BACK WITH MOUNTING BRACKET

X

GAUGE CONNECTION

- 2BM** 1/4"BSP(M)
2NM 1/4"NPT(M)
3BM 3/8"BSP(M)
3NM 3/8"NPT(M)
4BM 1/2"BSP(M)
4NM 1/2"NPT(M)
4MM M20 X 1.5(M)
4TM 1/2" BSPT(M)

***Please consult factory for any special connections

XXX

RANGE

CODE	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14
RANGE (psi)	-30"hg	-30"hg-15	-30"hg-30	-30"hg-60	-30"hg-100	-30"hg-160	-30"hg-200	-30"hg-300	15	30	60	100	160	200
CODE	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24	E25	E26	E27	E28
RANGE (psi)	300	400	500	600	800	1000	1500	2000	3000	4000	5000	6000	7500	10000

E13

OPTIONAL EXTRAS

- | | |
|--|---|
| <p> SG OXYGEN SERVICE (FOR DRY VERSION)
 OA ACCURACY + 0.5% OF F.S.
 TI MONEL BOURDON & SOCKET (MONEL VERSION)
 TF TESTED TO NACE STANDARD
 TB HELIUM LEAK TEST
 SD AISI 316 SS MOVEMENT
 SF MOVEMENT WITH DAMPENING JELLY
 RI 25mm BOD
 SI KNIFE EDGE POINTER
 FN 2" PIPE/YOKE MOUNTING BRACKET & 'U' CLAMP (AISI 316 SS)
 RG ANTI PARALLAX MIRROR BAND DIAL
 RH CUSTOM DESIGNED DIAL
 ZB RECEIVER RANGE
 AT ATEX (AS PER 2014/34/EU)
 ZC FREON RANGE (WITH TEMPERATURE SCALE)
 ZD AMMONIA RANGE (WITH TEMPERATURE SCALE)
 SW DIAL TAG MARKING
 RW PLEXI GLASS
 RX SHATTERPROOF /SAFETY GLASS
 RZ TOUGHENED GLASS
 SJ MAXIMUM READING POINTER WITH PLEXI GLASS FILLABLE VERSION </p> | <p> ZM ELECTRO POLISHED CASE & BEZEL
 CK EPOXY PAINTED CASE & BEZEL
 SQ CASE WITH ROLLING TYPE BEZEL
 PS AISI 316 SS CASE & BEZEL
 KA ON-OFF TYPE VENT PLUG
 SX SS TAG PLATE
 SY AISI 316SS TAG PLATE
 SA INTERNAL OVERPRESSURE STOP
 SB INTERNAL VACUUM STOP
 ZL OVER RANGE PROTECTION
 QB INTEGRAL DAMPENING SCREW (AISI 316 SS)
 FL INTEGRAL DAMPENING SCREW (MONEL)
 FS FILLABLE LIQUID SILICON OIL
 FG FILLABLE LIQUID GLYCERINE
 ZZ DIELECTRIC OIL FILLED
 PX DAMPENING LIQUID FLUOROLUBE FILLED
 PY DAMPENING LIQUID GLYCERINE OIL FILLED
 PZ DAMPENING LIQUID MINERAL LIQUID FILLED
 QA DAMPENING LIQUID SILICON OIL FILLED
 GH MATERIAL TEST CERTIFICATES
 PW FIVE POINT CALIBRATION CERTIFICATE NATIONAL/ INTERNATIONAL STANDARDS </p> |
|--|---|

XX

Ordering Example: P-45-X-X-XXX-(E13)-XX

SPECIAL FEATURES

Standard Followed ASME-B 40.1 / EN837-1
 Stainless Steel Case With Solid Front Design
 Wetted Parts AISI 316L Stainless Steel
 Build in Stabilizer Movement
 Dry or Liquid Version
 Silicone fillable version availability
 NACE MR 0175 Compliance
 Helium Leak Tested
 Laser Welded Case Design
 Ready For Oxygen Service
 Internal Vacuum/ Over pressure Stops
 IP 66

SPECIFICATIONS

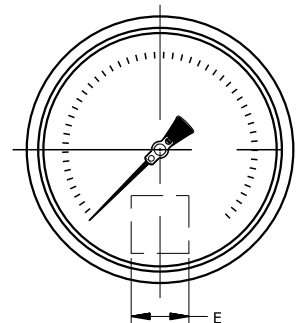
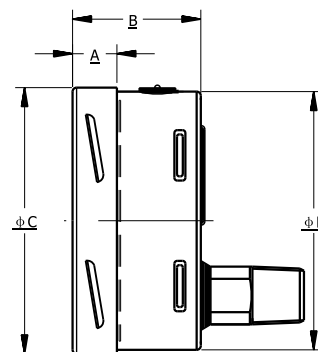
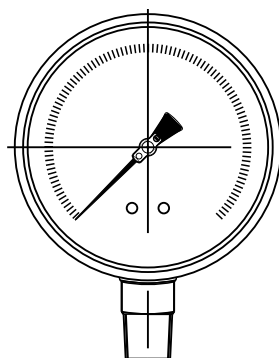
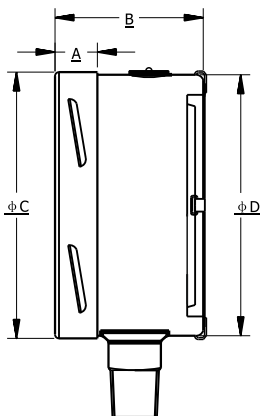
Ambient Temperature: -4 °F (-20°C) to +150°F (+65°C)
 Process Temperature: Max. 392°F (200°C)
 Operating Pressure Range: 75% of Scale Value
 Over Pressure Limit: 125% of Max. Scale Value
 Case: AISI 304 SS
 Joints: Tig Argon Arc Welding
 Socket: MONEL
 Bourdon: MONEL
 Movement: AISI 304 SS
 Dial: Aluminum
 Pointer: Micro Zero Adjustable
 Window: Safety Glass
 Range: Vacuum to 10,000PSI



ACCURACY AS PER ASME B.40.1/EN837-1

2.5" 2-1-2 GRADE A)
 4"/4.5"/6" 1-1-1 GRADE 1A)

*Please consult factory for better accuracy availability.



NS	A	B	φ C	φ D	E	Weight (lbs)
2.5"	0.5"	1.7"	2.5"	2.4"	0.6"	0.44
4"	0.6"	2.2"	4"	3.9"	0.87"	1.50
4.5"	0.6"	2.2"	5"	4.5"	0.87"	2.12
6"	0.6"	2.2"	6.3"	6.2"	0.87"	2.91

NS	A	B	φ C	φ D	E	Weight (lbs)
2.5"	0.5"	1.4"	2.5"	2.4"	0.6"	0.44
4"	0.6"	2"	4"	3.9"	0.87"	1.50

HOW TO ORDER

NOMINAL SIZE

D	F	G	H
2.5"	4"	4.5"	6"

X

TYPE OF MOUNTING

- 1 WALL/SURFACE/PROJECTION MOUNTING WITH BOTTOM
- 2 BOTTOM
- 3 LOWER BACK
- 5 LOWER BACK WITH FRONT FLANGE
- 6 LOWER BACK WITH MOUNTING BRACKET

X

GAUGE CONNECTION

- 2BM** 1/4"BSP(M)
2NM 1/4"NPT(M)
3BM 3/8"BSP(M)
3NM 3/8"NPT(M)
4BM 1/2"BSP(M)
4NM 1/2"NPT(M)
4MM M20 X 1.5(M)
9UM 9/16"UNF(M)
2HF 1/4"HP(F)

XXX

***Please consult factory for any special connections

RANGE

CODE	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14
RANGE (psi)	-30"hg	-30"hg-15	-30"hg-30	-30"hg-60	-30"hg-100	-30"hg-160	-30"hg-200	-30"hg-300	15	30	60	100	160	200
CODE	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24	E25	E26	E27	E28
RANGE (psi)	300	400	500	600	800	1000	1500	2000	3000	4000	5000	6000	7500	10000

E13

OPTIONAL EXTRAS

- | | |
|--|--|
| <p> SG OXYGEN SERVICE (FOR DRY VERSION)
 OA ACCURACY + 0.5% OF F.S.
 TI MONEL BOURDON & SOCKET (MONEL VERSION)
 TF TESTED TO NACE STANDARD
 TB HELIUM LEAK TEST
 SD AISI 316 SS MOVEMENT
 SF MOVEMENT WITH DAMPENING JELLY
 SI KNIFE EDGE POINTER
 FN 2" PIPE/YOKE MOUNTING BRACKET & 'U' CLAMP (AISI 316 SS)
 RG ANTI PARALLAX MIRROR BAND DIAL
 RH CUSTOM DESIGNED DIAL
 ZB RECEIVER RANGE
 AT ATEX (AS PER 2014/34/EU)
 ZC FREON RANGE (WITH TEMPERATURE SCALE)
 ZD AMMONIA RANGE (WITH TEMPERATURE SCALE)
 SW DIAL TAG MARKING
 RW PLEXI GLASS
 RX SHATTERPROOF /SAFETY GLASS
 RZ TOUGHENED GLASS
 SJ MAXIMUM READING POINTER WITH PLEXI GLASS FILLABLE VERSION </p> | <p> ZM ELECTRO POLISHED CASE & BEZEL
 CK EPOXY PAINTED CASE & BEZEL
 PS AISI 316 SS CASE & BEZEL
 KA ON-OFF TYPE VENT PLUG
 SX SS TAG PLATE
 SY AISI 316 SS TAG PLATE
 SA INTERNAL OVERPRESSURE STOP
 SB INTERNAL VACUUM STOP
 ZL OVER RANGE PROTECTION
 QB INTEGRAL DAMPENING SCREW (AISI 316 SS)
 FL INTEGRAL DAMPENING SCREW (MONEL)
 FS FILLABLE LIQUID SILICON OIL
 FG FILLABLE LIQUID GLYCERINE
 ZZ DIELECTRIC OIL FILLED
 PX DAMPENING LIQUID FLOUROLUBE FILLED
 PY DAMPENING LIQUID GLYCERINE OIL FILLED
 PZ DAMPENING LIQUID MINERAL LIQUID FILLED
 QA DAMPENING LIQUID SILICON OIL FILLED
 GH MATERIAL TEST CERTIFICATES
 PW FIVE POINT CALIBRATION CERTIFICATE NATIONAL/ INTERNATIONAL STANDARDS </p> |
|--|--|

XX

Ordering Example: P-46-X-X-XXX-(E13)-XX

SPECIAL FEATURES

Standard Followed ASME-B 40.1 / EN837-1
 Stainless Steel Case With Solid Front Design
 Wetted Parts AISI 316L Stainless Steel
 Build in Stabilizer Movement
 Dry or Liquid Version
 Silicone fillable version availability
 NACE MR 0175 Compliance
 Helium Leak Tested
 Laser Welded Case Design
 Ready For Oxygen Service
 Internal Vacuum/ Over pressure Stops
 IP 66

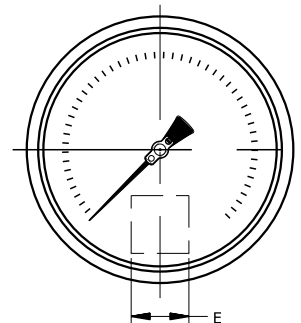
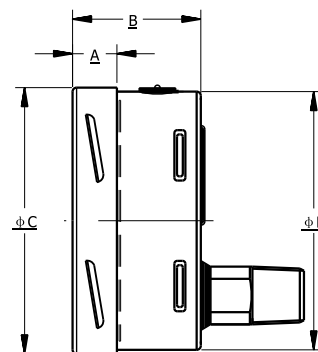
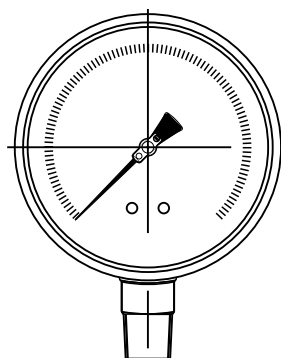
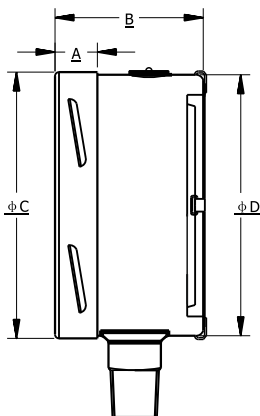
SPECIFICATIONS

Ambient Temperature: -4 °F (-20°C) to +150°F (+65°C)
 Process Temperature: Max. 392°F (200°C)
 Operating Pressure Range: 75% of Scale Value
 Over Pressure Limit: 125% of Max. Scale Value
 Case: AISI 304 SS
 Joints: Tig Argon Arc Welding
 Socket: HASTELLOY C-276
 Bourdon: HASTELLOY C-276
 Movement: AISI 304 SS
 Dial: Aluminum
 Pointer: Micro Zero Adjustable
 Window: Safety Glass
 Range: Vacuum to 10,000PSI

ACCURACY AS PER ASME B.40.1/EN837-1

2.5" 2-1-2 GRADE A)
 4"/4.5"/6" 1-1-1 GRADE 1A)

*Please consult factory for better accuracy availability.



NS	A	B	φ C	φ D	E	Weight (lbs)
2.5"	0.5"	1.7"	2.5"	2.4"	0.6"	0.44
4"	0.6"	2.2"	4"	3.9"	0.87"	1.50
4.5"	0.6"	2.2"	5"	4.5"	0.87"	2.12
6"	0.6"	2.2"	6.3"	6.2"	0.87"	2.91

NS	A	B	φ C	φ D	E	Weight (lbs)
2.5"	0.5"	1.4"	2.5"	2.4"	0.6"	0.44
4"	0.6"	2"	4"	3.9"	0.87"	1.50

HOW TO ORDER

NOMINAL SIZE

D	F	G	H
2.5"	4"	4.5"	6"

Example

X

TYPE OF MOUNTING

- 1 WALL/SURFACE/PROJECTION MOUNTING WITH BOTTOM
- 2 BOTTOM
- 3 LOWER BACK
- 5 LOWER BACK WITH FRONT FLANGE
- 6 LOWER BACK WITH MOUNTING BRACKET

X

GAUGE CONNECTION

- 2BM** 1/4"BSP(M)
- 2NM** 1/4"NPT(M)
- 3BM** 3/8"BSP(M)
- 3NM** 3/8"NPT(M)
- 4BM** 1/2"BSP(M)
- 4NM** 1/2"NPT(M)
- 4MM** M20 X 1.5(M)
- 9UM** 9/16"UNF(M)
- 2HF** 1/4"HP(F)

***Please consult factory for any special connections

XXX

RANGE

CODE	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14
RANGE (psi)	-30"hg	-30"hg-15	-30"hg-30	-30"hg-60	-30"hg-100	-30"hg-160	-30"hg-200	-30"hg-300	15	30	60	100	160	200
CODE	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24	E25	E26	E27	E28
RANGE (psi)	300	400	500	600	800	1000	1500	2000	3000	4000	5000	6000	7500	10000

E13

OPTIONAL EXTRAS

- | | |
|---|---|
| <ul style="list-style-type: none"> SG OXYGEN SERVICE (FOR DRY VERSION) OA ACCURACY + 0.5% OF F.S. TI MONEL BOURDON & SOCKET (MONEL VERSION) TF TESTED TO NACE STANDARD TB HELIUM LEAK TEST SD AISI 316 SS MOVEMENT SF MOVEMENT WITH DAMPENING JELLY SI KNIFE EDGE POINTER FN 2" PIPE/YOKE MOUNTING BRACKET & 'U' CLAMP (AISI 316 SS) RG ANTI PARALLAX MIRROR BAND DIAL RH CUSTOM DESIGNED DIAL ZB RECEIVER RANGE AT ATEX (AS PER 2014/34/EU) ZC FREON RANGE (WITH TEMPERATURE SCALE) ZD AMMONIA RANGE (WITH TEMPERATURE SCALE) SW DIAL TAG MARKING RW PLEXI GLASS RX SHATTERPROOF /SAFETY GLASS RZ TOUGHENED GLASS SJ MAXIMUM READING POINTER WITH PLEXI GLASS FILLABLE VERSION | <ul style="list-style-type: none"> ZM ELECTRO POLISHED CASE & BEZEL CK EPOXY PAINTED CASE & BEZEL PS AISI 316 SS CASE & BEZEL KA ON-OFF TYPE VENT PLUG SX SS TAG PLATE SY AISI 316 SS TAG PLATE SA INTERNAL OVERPRESSURE STOP SB INTERNAL VACUUM STOP ZL OVER RANGE PROTECTION QB INTEGRAL DAMPENING SCREW (AISI 316 SS) FL INTEGRAL DAMPENING SCREW (MONEL) FS FILLABLE LIQUID SILICON OIL FG FILLABLE LIQUID GLYCERINE ZZ DIELECTRIC OIL FILLED PX DAMPENING LIQUID FLOUROLUBE FILLED PY DAMPENING LIQUID GLYCERINE OIL FILLED PZ DAMPENING LIQUID MINERAL LIQUID FILLED QA DAMPENING LIQUID SILICON OIL FILLED GH MATERIAL TEST CERTIFICATES PW FIVE POINT CALIBRATION CERTIFICATE NATIONAL/ INTERNATIONAL STANDARDS |
|---|---|

XX

Ordering Example: P-47-X-X-XXX-(E13)-XX

SPECIAL FEATURES

Standard Followed ASME-B 40.1 / EN837-1
 Stainless Steel Case With Solid Front Design
 Wetted Parts AISI 316L Stainless Steel
 Build in Stabilizer Movement
 Dry or Liquid Version
 Silicone fillable version availability
 NACE MR 0175 Compliance
 Helium Leak Tested
 Laser Welded Case Design
 Ready For Oxygen Service
 Internal Vacuum/ Over pressure Stops
 IP 66



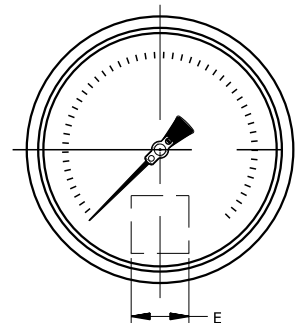
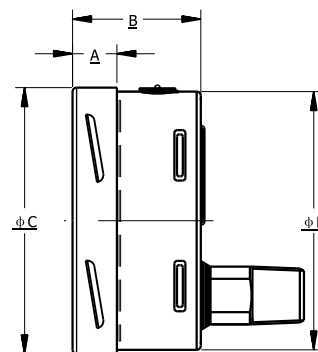
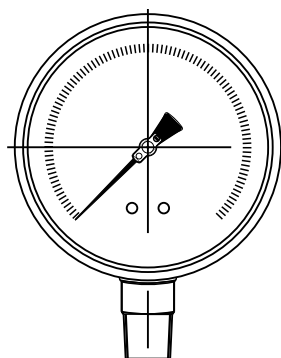
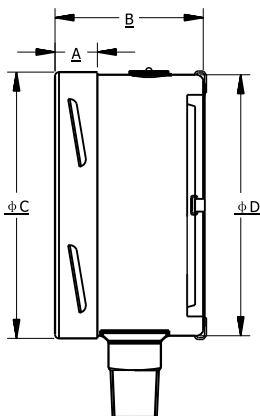
SPECIFICATIONS

Ambient Temperature: -4 °F (-20°C) to +150°F (+65°C)
 Process Temperature: Max. 392°F (200°C)
 Operating Pressure Range: 75% of Scale Value
 Over Pressure Limit: 125% of Max. Scale Value
 Case: AISI 304 SS
 Joints: Tig Argon Arc Welding
 Socket: INCONEL 625
 Bourdon: INCONEL 625
 Movement: AISI 304 SS
 Dial: Aluminum
 Pointer: Micro Zero Adjustable
 Window: Safety Glass
 Range: Vacuum to 10,000PSI

ACCURACY AS PER ASME B.40.1/EN837-1

2.5" 2-1-2 GRADE A)
 4"/4.5"/6" 1-1-1 GRADE 1A)

*Please consult factory for better accuracy availability.



NS	A	B	φ C	φ D	E	Weight (lbs)
2.5"	0.5"	1.7"	2.5"	2.4"	0.6"	0.44
4"	0.6"	2.2"	4"	3.9"	0.87"	1.50
4.5"	0.6"	2.2"	5"	4.5"	0.87"	2.12
6"	0.6"	2.2"	6.3"	6.2"	0.87"	2.91

NS	A	B	φ C	φ D	E	Weight (lbs)
2.5"	0.5"	1.4"	2.5"	2.4"	0.6"	0.44
4"	0.6"	2"	4"	3.9"	0.87"	1.50

HOW TO ORDER

NOMINAL SIZE

D	F	G	H
2.5"	4"	4.5"	6"

X

TYPE OF MOUNTING

- 1 WALL/SURFACE/PROJECTION MOUNTING WITH BOTTOM
- 2 BOTTOM
- 3 LOWER BACK
- 5 LOWER BACK WITH FRONT FLANGE
- 6 LOWER BACK WITH MOUNTING BRACKET

X

GAUGE CONNECTION

- 2BM** 1/4"BSP(M)
- 2NM** 1/4"NPT(M)
- 3BM** 3/8"BSP(M)
- 3NM** 3/8"NPT(M)
- 4BM** 1/2"BSP(M)
- 4NM** 1/2"NPT(M)
- 4MM** M20 X 1.5(M)
- 9UM** 9/16"UNF(M)
- 2HF** 1/4"HP(F)

XXX

***Please consult factory for any special connections

RANGE

CODE	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14
RANGE (psi)	-30"hg	-30"hg-15	-30"hg-30	-30"hg-60	-30"hg-100	-30"hg-160	-30"hg-200	-30"hg-300	15	30	60	100	160	200
CODE	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24	E25	E26	E27	E28
RANGE (psi)	300	400	500	600	800	1000	1500	2000	3000	4000	5000	6000	7500	10000

E13

OPTIONAL EXTRAS

- | | |
|---|---|
| <ul style="list-style-type: none"> SG OXYGEN SERVICE (FOR DRY VERSION) OA ACCURACY + 0.5% OF F.S. TI MONEL BOURDON & SOCKET (MONEL VERSION) TF TESTED TO NACE STANDARD TB HELIUM LEAK TEST SD AISI 316 SS MOVEMENT SF MOVEMENT WITH DAMPENING JELLY SI KNIFE EDGE POINTER FN 2" PIPE/YOKE MOUNTING BRACKET & 'U' CLAMP (AISI 316 SS) RG ANTI PARALLAX MIRROR BAND DIAL RH CUSTOM DESIGNED DIAL ZB RECEIVER RANGE AT ATEX (AS PER 2014/34/EU) ZC FREON RANGE (WITH TEMPERATURE SCALE) ZD AMMONIA RANGE (WITH TEMPERATURE SCALE) SW DIAL TAG MARKING RW PLEXI GLASS RX SHATTERPROOF /SAFETY GLASS RZ TOUGHENED GLASS SJ MAXIMUM READING POINTER WITH PLEXI GLASS FILLABLE VERSION | <ul style="list-style-type: none"> ZM ELECTRO POLISHED CASE & BEZEL CK EPOXY PAINTED CASE & BEZEL PS AISI 316 SS CASE & BEZEL KA ON-OFF TYPE VENT PLUG SX SS TAG PLATE SY AISI 316 SS TAG PLATE SA INTERNAL OVERPRESSURE STOP SB INTERNAL VACUUM STOP ZL OVER RANGE PROTECTION QB INTEGRAL DAMPENING SCREW (AISI 316 SS) FL INTEGRAL DAMPENING SCREW (MONEL) FS FILLABLE LIQUID SILICON OIL FG FILLABLE LIQUID GLYCERINE ZZ DIELECTRIC OIL FILLED PX DAMPENING LIQUID FLOUROLUBE FILLED PY DAMPENING LIQUID GLYCERINE OIL FILLED PZ DAMPENING LIQUID MINERAL LIQUID FILLED QA DAMPENING LIQUID SILICON OIL FILLED GH MATERIAL TEST CERTIFICATES PW FIVE POINT CALIBRATION CERTIFICATE NATIONAL/ INTERNATIONAL STANDARDS |
|---|---|

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Ordering Example: P-48-X-X-XXX-(E13)-XX

DIAPHRAGM SEALS

- All wetted parts SS 316L confirming to NACE MR 0175
- All diaphragm are laser welded with body
- All Sanitary seals are confirming to sanitary applications
- All the seals are helium leak tested
- Connected with gauges in MONEL ,HASTELLOY C 276,TITANIUM, TANTALUM,INCONEL 600,SILIVER
- We offer diaphragm seals till 400 bar



D-02
DIRECT COUPLE TYPE
Min Pressure :-30inHg
Max.Pressure:6,000 psi



D-04
FLUSH DIAPHRAGM SANITARY TYPE
Min Pressure :-30inHg
Max.Pressure:600 psi



D-05
SCREWED FLUSH TYPE
Min Pressure :-30inHg
Max.Pressure: 900 psi



D-06
HEAVY DUTY MINI SEAL
Min Pressure :-30inHg
Max.Pressure:9,000 psi



D-07
SANITARY SEAL,CLAMP TYPE
Min Pressure :-30inHg
Max.Pressure:600 psi



D-09
DIRECT FLANGED FLUSHING TYPE
Min Pressure :-30inHg
Max.Pressure:4,000 psi



D-08
FLANGE," I " SECTION TYPE
Min Pressure :-30inHg
Max.Pressure:6,000 psi



D-11
EXTENDED NECK TYPE
Min Pressure :-30inHg
Max.Pressure:4,000 psi



D-12
PULP SEAL,FLOATING RING TYPE
Min Pressure :-30inHg
Max.Pressure:600 psi

THERMOWELLS

- Manufacture from BAR STOCK
- Design Standard : PTC 19.3
- Available material: SS316L ,HASTELLOY C,MONEL,TITANIUM,TANTALUM, INCONEL 600
- Protection Coating: Available with PTFE for acid applications.
- Leak Testing : Helium gas and Hydro static pressure internal and external



FLANGE THERMOWELL



STRAIGHT THERMOWELL



TAPERED THERMOWELL



STEPPED THERMOWELL

ACCESSORIES



**AC-01
COOLING TOWER**

Min. Pressure: -30inHg
Max. Pressure : 6,000psi



**AC-02
GAUGE COCK**

Min. Pressure: -30inHg
Max. Pressure : 230 psi
and 1,500 psi as option



**AC-03
GAUGE SAVER**

Min. Pressure: -30inHg
Max. Pressure : 10,000 psi



**AC-04
FLUSHING RING**

Min. Pressure: -30inHg
Max. Pressure : 6,000 psi



**AC-05
PULSATION DAMPENER**

Min. Pressure: -30inHg
Max. Pressure : 6,000 psi



**AC-06
SIPHON**

Min. Pressure: -30inHg
Max. Pressure : 1,500 psi



**AC-07
SWIVEL ADAPTOR**

Min. Pressure: -30inHg
Max. Pressure : 6,000 psi



**AC-08
MAX DRAG RED POINTER**

Size: 2.5" & 4"



ABOUT US:

Elite instruments company having 20,500 square meter manufacturing area with 350 employees.

Elite instruments have daily production capacity of 20,000 instruments Per day.

Elite instruments total invested over 12 million into our equipment and buildings.

Elite Instruments is an ISO 9000:2015 certified manufacturing company for Measuring instruments and its accessories.

We manufacture

- Pressure gauges,
- Ultra-high-pressure gauges,
- Temperature gauges
- Diaphragm seals
- Accessories
- Thermowells
- Valves and Manifolds.
- Pressure, temperature and level transmitters

Headquartered at China, Elite Instruments also have manufacturing locations at

- China
- Saudi Arabia
- Mexico
- India to better serve our customers.

We also have Distributors at

- TURKEY
- NETHERLANDS
- United States of America,
- CANADA
- MEXICO
- BRAZIL.

Elite instruments Established in 2010, we deliver over 8 million quality products per year 75 countries every year.

Currently Worldwide, estimated 6 million ELITE measuring instruments are in use. Elite serves a wide variety of industries worldwide, including:

- Oil and Gas
- Chemical and Petrochemical
- Food and Pharmaceutical
- Water and Wastewater
- Engineering and Process

Elite Instruments' customer service is fast and flexible. We always put our CUSTOMER FIRST.

Let us prove that we are the best choice for your manufacturer of measuring instruments.

Elite also specializes in developing custom-built OEM products as per customer exact requirements.

Our proficient team of engineers will work to bring your custom design products to life, or work with you to create new products designed to meet your exact needs.

Our customers have testified that the Quality, workmanship, appearance and packaging of Elite products are second to none.

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