



ACCURATE MEASURING

ULTRA HIGH PRESSURE GAUGES

WETTED PARTS -NACE MR0175

AISI 316L SS , HASTELLOY-C276 , INCONEL 625 , MONEL 400



EXCELPLUS MOVEMENT-PMI TESTED -ACCURACY 0.5% -MIRROR DIAL/
DIAL FLUORESCENT /GLOW IN DARK -KNIFE EDGE POINTER

ELITE INSTRUMENTS

ISO 9001 COMPANY

PRESSURE GAUGE | THERMOMETER | DIAPHRAGM SEAL | ACCESSORIES

www.amieliteinstruments.com

PHENOLIC CASE GAUGES

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

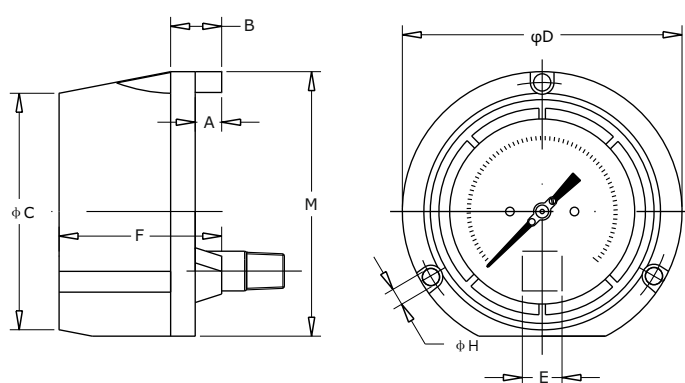
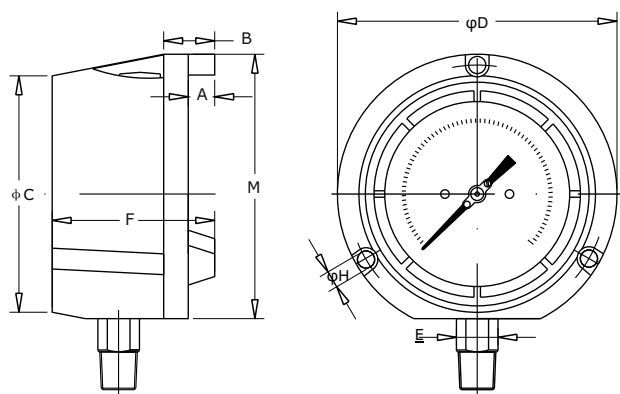
Bourdon: AISI 316L
 Movement: AISI 304
 Dial: Aluminum
 Pointer: Micro Zero Adjustable
 Window: Safety Glass
 Gasket: Viton
 Ranges: Vacuum to 40,000psi

ACCURACY AS PER ASME B.40.1

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

WETTED PARTS

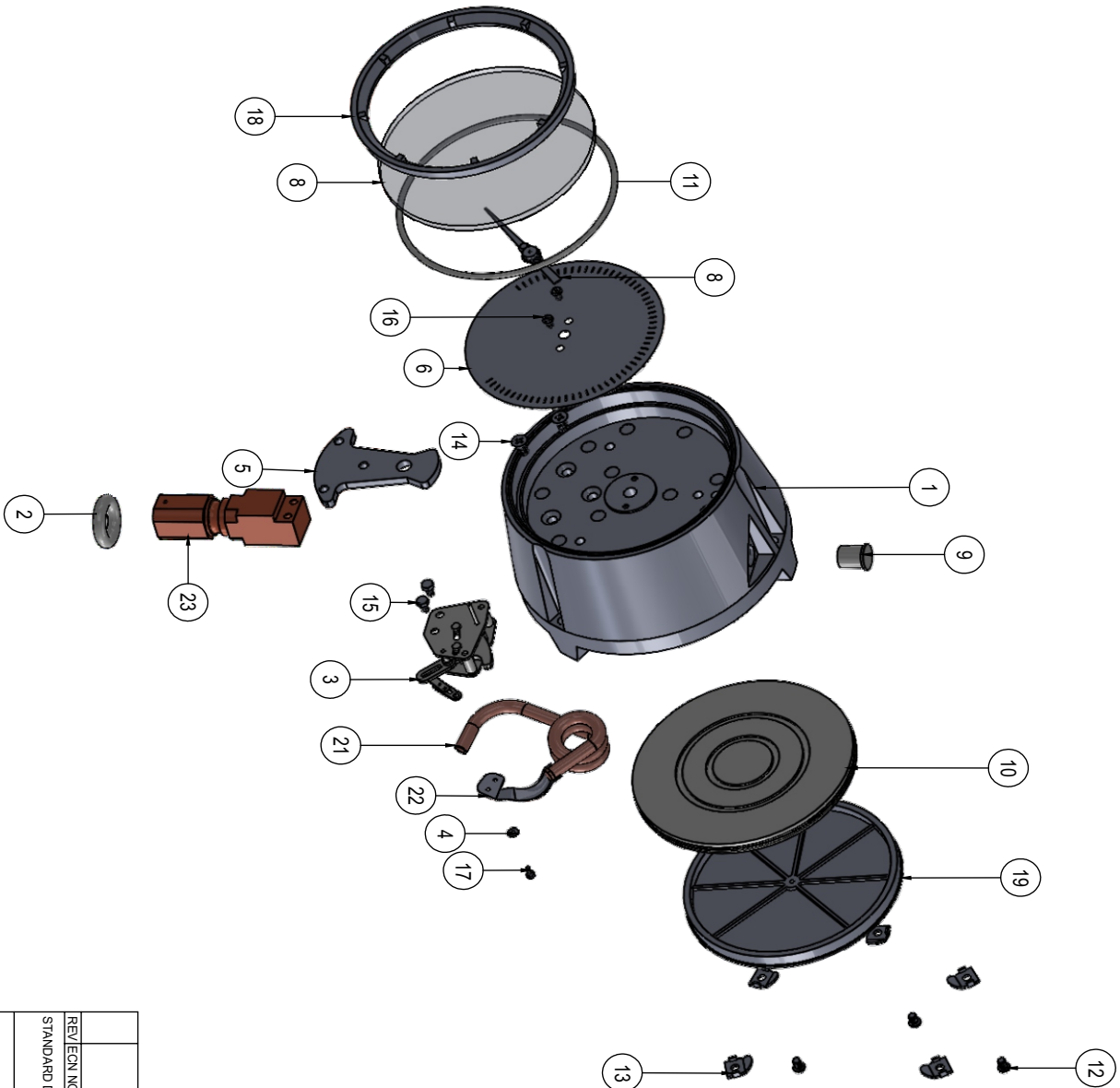
SS316L / MONEL 400 / HASTELLOY C-276 / INCONEL / Ni SPAN.



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

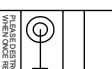
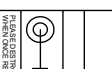
*For More Details , Refer Pressure Gauge Catalogue.



NOTES
1. ALL DIMENSIONS ARE IN MM
2. SHARP EDGES SHOULD BE REMOVED
3. MARK DIMENSIONS ARE CRITICAL

SR NO.	ITEM NUMBER	DESCRIPTION	MATERIAL	QTY.
1	BK4050	4.5" LM PHENOLIC CASE	PHENOLIC	1
2	M580	SOCKET O RING VITON 30X6.5	VITON	1
3	BLX4003	4"-G16 STAINLESS STEEL THICK GEAR LP MOVEMENT	SS304/SS316	1
4	DP003	FLAT WASHER 2X6X0.5MM	SS304	1
5	JTKP002-PPC	BF-9MM SS PLATE FOR SOCKET	SS304	1
6	BD108	BLANK DIAL 108MM 1 HOLE 6MM ONLY	ALUMINIUM	1
8	ZZ019	YC100 MICRO-ADJUSTABLE POINTER	ALUMINIUM	1
8	BL1045	Y117X4 SAFETY GLASS	GLASS	1
9	M597	12MM VITON OIL PLUG (PPC)	VITON	1
10	M581	BACK COVER GASKET FOR PHENOLIC CASE (LM)	VITON	1
11	M579	120X3 VITON O RING	VITON	1
12	BL101-1	M4 PLASTIC SCREW (PPC)	PLASTIC	6
13	DP008	BACK PLATE STOPPER	PLASTIC	6
14	BL3037	M5X10 CROSS HEAD STAINLESS STEEL SCREW	SS304	3
15	BL3051	M4X6 STAINLESS STEEL SCREW	SS304	2
16	BL121	CROSS FLAT HEAD SCREW M3X5 FOR PPC	SS304	2
17	BL3003	ADJUSTABLE SCREW M2X4.5X7.0	SS304	1
18	BK4050 BZ	4.5" LM PPC BEZEL	PHENOLIC	1
19	BK4050 BP	4.5" BACK PLATE OF PPC CASE	PHENOLIC	1
21	BGZ4024	4" SS 316L BT 0-20000PSI	SS316L	1
22	LG009	LINKAGE 4" HP TUBE END	SS 304	1
23	BL5168	4.5" LM 9/16-18 UNE (F) PHENOLIC SOCKET	SS316L INCONEL	1

REV/ECN NO.	ALTERNATIONS DONE	MARK	DATE	SIGN
STANDARD DETAILS:				
DRAWING NO.		REV NO. 0		
NO. OF SHEETS: 1		SHEET NO. 1 OF 1		
CHECKED BY		MOC :		
APPROVED BY		ITEM CODE :		
SIGN		NAME		
DATE		GROSS WT :		

 ELITE INSTRUMENTS INDIA SPL. PLT NO.3 APPLIC. PHASE-IPEDDAPURAM-533437 EG.DIST. ANDHRA PRADESH	
 DRAWN BY YZ APPROVED BY DP	DATE DATE

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 20,000PSI FOR 2.5"(63mm)
 Vacuum to 40,000PSI FOR 4" (100mm), 4.5"(125mm)
 Vacuum to 60,000PSI FOR 6"(160mm)

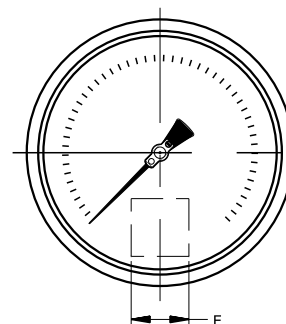
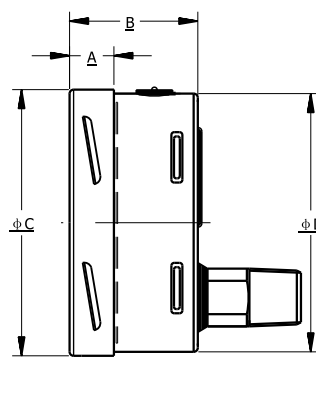
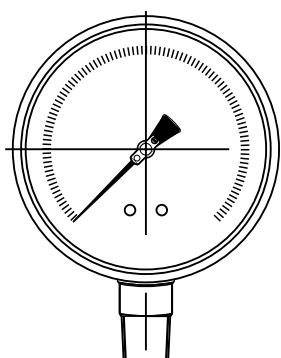
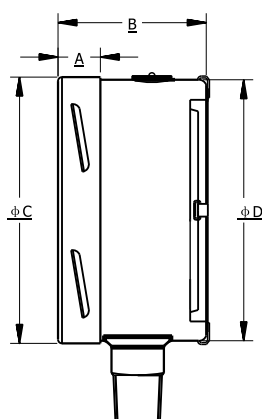


ACCURACY AS PER ASME B.40.1/ EN 837-1

2.5" (63mm)	GRADE A, 1.6% / GRADE 1A, 1%
4" (100mm) / 4.5" (125mm) / 6" (150mm)	GRADE 1A, 1% / GRADE 2A, 0.5%

WETTED PARTS

SS316L / MONEL 400 / HASTELLOY C-276 / INCONEL / Ni SPAN.

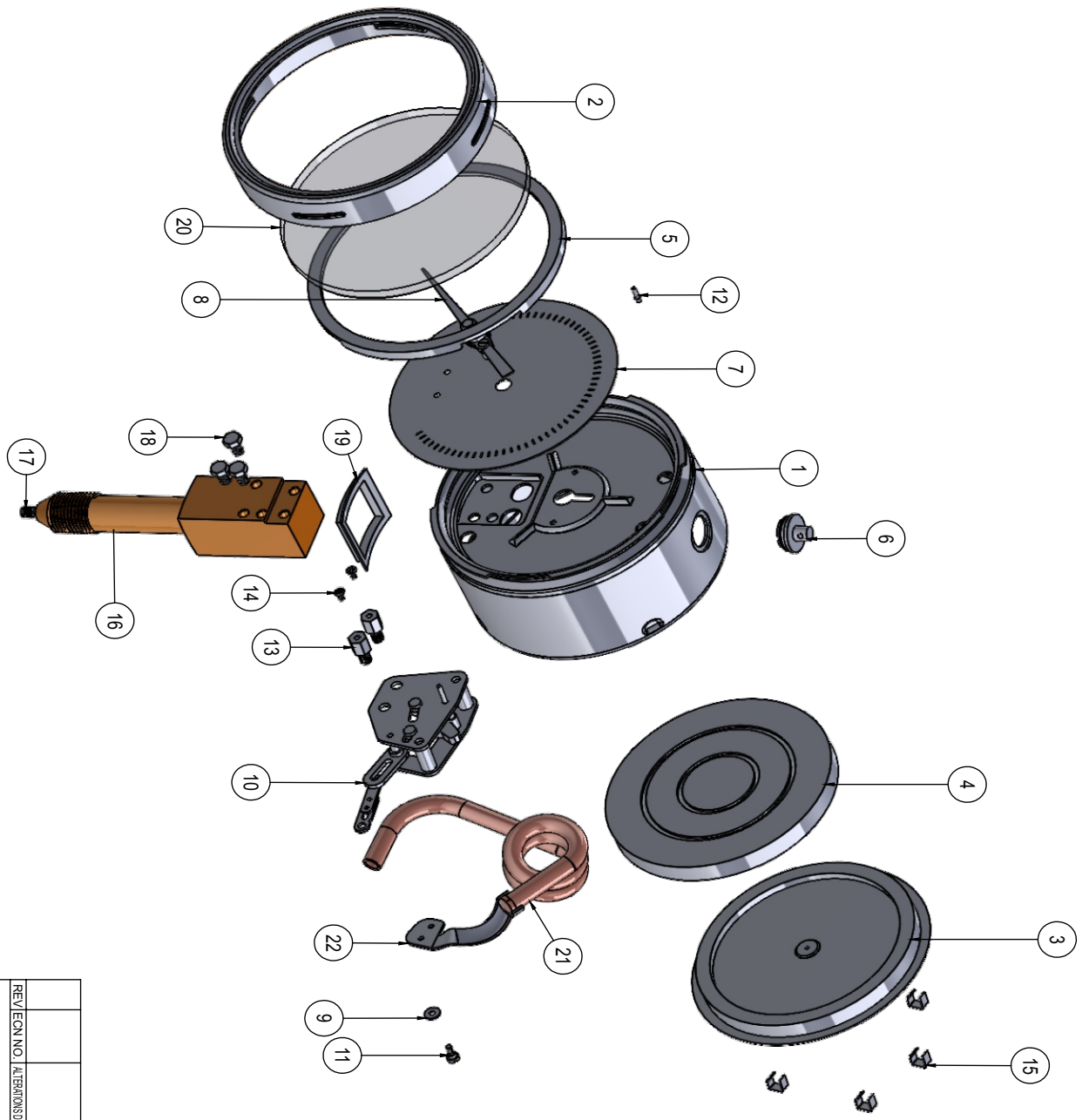


NS	A	B	φ C	φ D	E	Weight (lbs)
2.5"	0.5"	1.7"	2.5"	2.4"	0.6"	0.44
4"	0.6"	2.2"	4"	3.9"	0.87"	1.50
4.5"	0.6"	2.2"	5"	4.5"	0.87"	2.12
6"	0.6"	2.2"	6.3"	6.2"	0.87"	2.91

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

*For More Details , Refer Pressure Gauge Catalogue.

ALL SS SOLID FRONT PRESSURE GAUGES



NOTES
1. ALL DIMENSIONS ARE IN MM
2. SHARP EDGES SHOULD BE REMOVED
3. * MARK DIMENSIONS ARE CRITICAL

SR NO.	ITEM NUMBER	DESCRIPTION	MATERIAL	QTY.
1	BK 4040	Y100 LM SOLID FRONT CASE	SS 304	1
2	ZQ4005	Y100 ORIGINAL FINISH SS304 BAYONET BEZEL	SS 304	1
3	BK5040	Y100 SOLID FRONT BACK COVER	SS 304	1
4	M642	VITON BACK GASKET/SOLID FRONT CASE	VITON	1
5	M500	Y100 VITON GASKET	VITON	1
6	M630	12.8MM VITON ON/OFF OIL PLUG	VITON	1
7	BDXXX	DIAL	ALUMINIUM	1
8	ZZ119	Y/C100 MICRO-ADJUSTABLE POINTER	ALUMINIUM	1
9	DP003	FLAT WASHER 2X6X0.5MM	SS304	1
10	BUX4005	4" -G16 SS THICK GEAR LIP MOVEMENT WITH DOUBLE LOCK 12/23	SS304 / SS316	1
11	BLS003	ADJUSTABLE SCREW M2X4.5X7.0	SS 304	1
12	XZ005	6" CHROME PLATED ZERO STOP 7.8*1.5	CHROME PLATED	1
13	FBKL5072	M4 STAINLESS STEEL LENGTHEN SCREW (SOLID FRONT CASE)	SS 304	2
14	BL5026	M2X2 STAINLESS STEEL FLAT HEAD SCREW	SS 304	2
15	ZQ4049	Y100 SOLID FRONT 4 PIECES SAFETY PARTS	SS304	4
16	B45723-3	4" LM 9/16" UNF (M) 1-P/C WELDING HP SS316 SOCKET 12/23	SS 316	1
17	BZM005	M4 STAINLESS STEEL DAMPENING SCREW SS316	SS 304	1
18	BL5051	M4X6 STAINLESS STEEL SCREW HEX 8.5 FOR PPC	SS 304	3
19	HTL003	LASER WELDING SS SQUARE RING	SS 304	1
20	BL1008	96mm SAFETY GLASS	GLASS	1
21	BG24024	4" SS 316L BT 0-20000PSI	SS 316L	1
22	LQ009	4" HP TUBE END	SS 304	1

PART NAME: 4" LM 9/16" UNF L.P. SOLID FRONT GAUGE

STANDARD DETAILS:

REV/ECN NO.	ALTERATION/ISSUE	MARK	DATE	SIGN
DRAWN BY	SS			
CHECKED BY	YZ			
APPROVED BY	DP			
SIGN NAME	DATE			

DRAWING NO.	REV NO. : 0
NO OF SHEETS: 1	SHEET NO: 1 OF 1
MOC :	ITEM CODE :
QTY :	NET WT :
	GROSS WT :

PLEASE DESCRIBE THE PARTS AND DRAWING WHEN ONCE REVIEW DRAWING IS RELEASED



ABOUT US:

Elite Instruments is a world class manufacturer of measuring instruments and accessories, including pressure gauges, thermometers, level gauges, pressure switches, RTD's, thermocouples and thermowells. We specialize in working together with our customers to develop comprehensive solutions in measurement technology and integrating those solutions into their processes.

Established in 2010, Elite Instruments delivers over 2 million quality products to over 50 countries every year. Worldwide, over 6 million ELITE measuring instruments are currently in use.

Headquartered in China, Kunshan Elite Instruments Company Ltd. also has locations in Singapore and India to better serve our customers,

Elite serves a wide variety of industries worldwide, including:

1. Oil and Gas
2. Chemical and Petrochemical
3. Food and Pharmaceutical
4. Water and Wastewater
5. Engineering and Process

Elite also specializes in developing custom built OEM products as per customer requirements. Our proficient team of engineers will work to bring your custom design to life, or work with you to create new products designed meet your exact needs.

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

Elite Instruments is ISO 9001 :2008 certified with many products holding ATEX approval, per 2014/34/EU Our state of the art production, testing and warehouse facilities ensure Elite exceeds customer expectations for quality and delivery.

Elite's commitment to quality is demonstrated by our investment in world class production and testing equipment.

Our commitment to quality is also demonstrated in our procedures. All Elite products undergo rigorous quality inspection before, during and post-production to ensure 100% of products meet customer demands and specifications.

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 supplier of measuring instruments.

Please visit our website www.elite-instrument.com or send your enquires to sales@elite-instrument.com

Please visit youtube page :

<https://youtu.be/72MgbJNO5fw>

www.amieliteinstruments.com



the pressure equipment safety authority



NS : 40 / 50 / 63 / 80 /
100 / 125 / 160 /
200 / 250mm

**Ranges
available up
to 60,000 psi**

WETTED PARTS -AVAILABLE SS 316L , HASTELLOY-C276 , INCONEL 625 , MONEL 400

- Bourdon Tube - AS PER NACE MR 0175
- Socket - AS PER 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 68



Manufacturing Units

HANSHAN ELITE INSTRUMENTS CO.,LTD

No.27 Xudong Road, Small & Mirco Business Park ,Hanshan Economic
Development Zone Ma'anshan City,An Hui Province, China-238100
Tel.+86 555-4333999 Fax:+86 555-4333999 ,Mobile: +86 13586509674
Email :sales@elite-instruments.com/ snreddy@elite-instruments.com

ELITE INSTRUMENTS

Special Plot No.3 ,Phase-2 APIC Industrial Park,Peddapuram 533437-East Godavari
District,Andhra Pradesh,INDIA Tel.+91 08852-294678 Mobile: +91 90632 5446 9
Email :sales@elite-instruments.com /snreddy@elite-instruments.com

ELITE INSTRUMENTS PTE.,LTD

3014A, MIT-KEPANG UBI, #03-06,
UBI ROAD 1, SINGAPORE, Zip Code: 408703 Tel: +65 9372 9989
Email :sales@elite-instruments.com /snreddy@elite-instruments.com

ADVANCED MEASURING INSTRUMENTS CO.LTD.

Building No.2937, Road No.:114 PO Box 35938Al Jubail Industrial City 31961,
KingdomofSaudiArabiaTel.+966 133400405.
Email : sales@elite-instruments.com /snreddy@elite-instruments.com