





Founded in 1967, Precision Mass Products Pvt. Ltd. (previously Precision Industries) is one of the most recognized manufacturers of Pressure & Temperature measuring Instruments in India, identified by its brand MASS[®]. We manufacture Pressure measuring Instruments from 6 mbar to 4000 Bar and Temperature measuring Instruments from -200°C to 1800°C.

Our Headquarters and Production plant located in Gujarat (India) occupies 120,000 square feet, this ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 certified facility is a self-contained, vertically integrated operation complete with production, projects, design & development, customer service, sales & marketing resource management.

Our Calibration and in-house testing facility enables us to keep our quality standards at par with international norms. All new products undergo rigorous type testing before they are introduced into the markets. Some of the product test performed at our plant includes

- Accuracy, Repeatability & Hysteresis
- Pressure Leak Testing & Helium Leak Test
- Over Range Protection & Overload
- Bust Pressure Testing
- Cyclic Test & Vibration Test
- Humidity & Thermal Stability
- High Voltage & Insulation Resistance Test
- NDT & Hydro Test

MASS[®] offers pressure calibration solutions to demanding needs of Instrumentation and Calibration laboratories, SPM manufacturers and Precise pressure measurement applications. Our complete range of products include Analog and Digital Pressure Gauges, Pressure Transducer, Pressure Comparators and Portable Calibrators, Diaphragm Seals and Transmitter Seals, Temperature Gauges, RTD's and Thermocouples, Thermowells, Valves & Manifolds and Accessories.



QUALITY SYSTEMS

- ISO 9001:2015 certified by TUV NORD Germany
- ISO 14001:2015 certified by TUV NORD Germany
- ISO 45001:2018 certified by TUV NORD Germany
- Primary measurement lab
- Lean manufacturing
- CE, NACE, ATEX approved products



Pressure Gauges



Pressure Gauges are available in dial sizes of 63, 100, 115, 150 and 250 mm and cover ranges from 6 mbar upto 4000 Bar with accuracy from 1.6% to 0.25% of F.S. Wetted Parts include SS 316/316L, Monel, Hastelloy, Inconel.

Diaphragm Seals



Diaphragm Seals are available with Flanged, Threaded, Sanitary and other connections. Wetted parts available in SS 316/316L, Monel, Hastelloy, Inconel, Tantalum, Titanium, Nickel, Alloy 20, Teflon, PVC, etc. and filling fluids Silicone, Syltherm 800, Halocarbon, Food Grade Oil, Vegetable Oil etc. Diaphragm Seals are available to suite Pressure and Differential Pressure Gauges, Switches and Transmitters. Standard Process Connections vary from 1/4" NB to 4" NB (Class 150# to 2500#).

Differential Gauges



Differential Pressure Gauges are available in dial sizes of 63, 100, 115 and 150 mm. Sensing Elements include Single or Double Diaphragms, Bellows and Magnetic Piston. These gauges can measure ranges from 1 mbar to 25 Bar with accuracy from 2.5% to 1% and a Static Pressure rating of upto 400 Bar.

Valves and Manifolds



We manufacture Needle Valves upto 10,000 psi rating and 2 Valve, 3 Valve and 5 Valve Manifold of Direct Mounting Type, T Type, H type and Coplanar Type. Available in SS 316/316L, Monel, Inconel, Hastelloy, Duplex and other materials with NACE Certification.

Calibration Products



Digital Pressure Gauges are available in accuracy of 0.25% to 0.025% F.S. and ranges of vacuum to 5000 Bar. Pressure Calibrators with Intrinsic Safety Certification for use in Hazardous Area. Dead Weight Tester with range up to 2000 Bar with uncertainty of $\pm 0.008\%$ of Reading.

Industrial Transmitters



Industrial Pressure Transmitters and submersible level transmitters available with accuracy from 0.5% to 0.1%. Ranges vary from 100 mbar upto 1000 Bar including Gauge, Vacuum, Compound and Absolute Ranges. Output options include Current or Voltage Output Signals.

Accessories



We manufacture Accessories like Snubbers, Gauge Savers, Syphons, Needle Valves, Gauge Cocks, Cooling Towers and Manifolds for Pressure Instruments. These are available in materials like SS 316/316L, Duplex, Hastelloy, Monel and other materials with NACE Certification.

Resistance Temperature Detectors (RTDs)



RTDs are available with Thin Film, Wire Wound type Platinum elements like PT100, 200, 500 and 1000 with 2, 3 or 4 wire Simplex or Duplex configurations to sense temperatures ranging from -250 to 850°C. Accuracy options are Class A, Class B, 1/3, 1/5 or 1/10 DIN. Sheath materials include SS304, 316/316L, Hastelloy C, Inconel, etc. RTDs are also available with Ex proof and ATEX Approved heads and with Head Mounted Transmitters.

Thermocouples



Thermocouples are available for ranges from -200 to 1820°C. Base Metal elements type J, K, T, E and N are available in Simplex, Duplex or Multi-Point configurations for sheath diameter from 1 to 12.7 mm and materials including SS321, 316, 310, 446, Inconel, Pyrosil, etc. Nobel Metal elements type R, S and B are available in Simplex, Duplex or Multi-Point configurations with element diameters from 0.3 to 0.5 mm with Single, Double or Triple layer protection of Ceramic 710, 610, Inconel, etc.

Temperature Gauges



Bimetal and Gas Filled Temperature Gauges are available with dial sizes of 63, 100, 115 & 150 mm. These gauges are available in ranges from -200°C to 800°C with Class 1 accuracy. These gauges are offered with a wide selection of Bulb Diameters, Stem Lengths and Capillaries.

Thermowells



We manufacture Screwed, Flanged, Built-up, Vanstone, Weld-in, Socket-Weld, Scruton and Twisted barstock Thermowells. Available in SS 316/316L, Monel, Inconel, Hastelloy, Duplex and other materials with NACE Certification. Standard Connections are from 1/2" NB to 4" NB (Class 150# to 2500#). We offer Tests & Certifications like WFC, Hydrostatic Tests, X-Ray Tests and other Extensive Tests based on Customer Requirements.



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