



Gauges and Transmitters

Meriam offers a wide variety of mechanical and digital pressure gauges for process measurement and indication. Terrific accuracy specifications and little-to-no temperature effect set these instruments apart from the competition. Many of our digital gauge products have multiple output options to increase their versatility in today's changing control schemes. Mechanical gauges have been the reliable standard in pressure measurement and still have their place in today's industrial environment. They excel in areas where digital units cannot function, such as in very cold environments.



M1500 Pressure Transmitters are available as either Analog or Digital and are ideal for a variety of pressure and flow measurement applications from 10" H₂O to 3000 PSI Full Scale. The user may configure the M1500 for 0 – 5 VDC or 4 – 20mA output. Two SPST opto switches are included. Choose from differential (dry/dry or wet/wet), gauge, compound or absolute pressure types. Typical digital accuracy is $\pm 0.035\%$ of F.S. including all effects of linearity, repeatability, hysteresis and temperature from -20° to +50° C (-4° to +122° F). Accuracies are NIST traceable

For wider pressure range requirements, the M1502 with digital output incorporates two pressure sensors. Most combinations of AI or CI type pressure sensors are supported. The M1502 reduces purchase price and installation costs when multiple pressure measurements are needed.



Meriam Model 1120 Differential Pressure Unit is a proven and reliable sensing element used in all Meriam Bellows Gauges. It is available in ranges as low as 0-30" w.c. or as high as 0-500 PSI. The light weight and compact differential pressure unit incorporates a rupture-proof and leak-proof bellows plus other features that ensure ruggedness and reliability. This basic unit is suitable for activating indicators, recorders, transmitters, switches, and controllers and is available as a separate assembly for that purpose.



Z200 and Z300 series pressure (bourdon tube) gauges offer economy, reliability, and durability. These gauges provide accurate indication and switch capability for process control and monitoring applications. Explosion-proof switches and portable indicators are also available. Custom linear and non-linear scales (flow, level applications) are available.

Line Traps, Bubblers and Hand Pumps

932 Series Line Traps are an inexpensive means to keep manometers and indicating fluids clean and are recommended for all installations. When installed in the line ahead of the manometer they permit entrained solids to settle out before they reach the manometer. When used with gases or vapors they trap moisture.



931 Series Sight Feed Bubblers provide a visual indication of flow by showing air or gas bubbles discharging from a dip tube immersed in a liquid in a transparent bowl. The bubble rate is controlled by a stainless steel needle valve in the head casting.

Portable Hand pumps are essential for hydraulic field testing and calibration of field devices such as pressure transmitters, gauges or switches. Meriam's line of ergonomically engineered, high quality hand pumps are designed for ease of use and reliability. All models provide the high performance required for your complete range of applications; from very low to high pneumatic pressures and for very high pressure hydraulic systems.



MH-600KT Hydraulic Calibration Pump uses a fully adjustable stroke control to allow for fast priming or filling of test systems. This gives the operator the ability to switch as needed to a smaller stroke for easier pumping at high pressure. Each MH-600KT includes a black padded canvas case and a 2ft non-stretch hose and fittings. It is backed-up with a 2 year warranty.

MH-10KT Hydraulic Calibration Pump uses a fully adjustable stroke control to allow for fast priming or filling of test systems. This gives the operator the ability to switch as needed to a smaller stroke for easier pumping at high pressure. Each MH-10KT includes a black padded canvas case, 3ft high pressure hose, fittings, adapters, test point and (3) spare filters. It is backed-up with a 2 year warranty.



MP-100KT Hydraulic Calibration Pump uses a fully adjustable stroke control to allow for fast priming or filling of test systems, giving the operator to switch as needed to a smaller stroke for easier pumping at high pressure.