

## Piston DP Gauges-Liquid



**Brand:** Mid-West Instrument

### Short Description

0-5 PSID to 0-400 PSID Mid-West Instrument piston type gauges offer safe working Pressures up to 10,000 PSI Rugged construction Weather Proof design Common Applications: Filter and Strainer Monitoring Compressed Air Hydraulic Refrigerant Pump Performance Testing Heat Exchanger Pressure Drop Monitoring Valves, Chillers etc., and for local flow indication and control Gauge, Switch and Transmitter options

### Description

Mid-West® Instrument Piston ?P Gauges- A precision ground magnetic piston assembly moves against a calibrated range spring in a diamond reamed bore in the gauge body as pressure differential between the high and low ports changes. A rotary magnet on the outside of the body tracks the movement of the magnetic piston and the attached pointer indicates ?P on a dial. All piston type gauges allow process fluid to migrate across the piston from high to low side. The precision machining of Mid-West® Instrument piston ?P gauges limits the migration to a maximum of 32 SCFH air at 100 PSID at ambient conditions. For applications where fluid migration from high side to low side is not tolerable select one of our many Diaphragm type ?P gauges Piston-Type Differential Pressure Gauges are available with one or two hermetically sealed reed switches or 4-20mA transmitter depending on model. The switches are adjustable within a defined percentage of the full scale range of the gauge and are available in SPDT and SPST, normally open or normally closed configurations for various load/power ratings. The switches can be set to activate or deactivate on rising or falling pressure. Models 120, 121, 122, 123, & 124 Switches are “CE” marked per the EU Low Voltage and ROHS Directive. Hazardous location switches Models 120, and 121 are certified CSA and UL to Canadian & US Standards. Model 220 is CSA, UL Listed and CE marked to the ATEX

directive and KOSHA certified along with the option for DPDT relays for higher load applications. The CSA & UL listings are for the entire assembly and not just the enclosure. See individual models for complete specifications.

## Product Gallery

