



# Differential Pressure Gauges with Compression Spring and Magnetic Piston

With Magnetic Piston • Type 700.01

With Piston and Separation Diaphragm • Type 700.02

## Pressure Gauges

- ◆ Differential ranges from 0/6 to 0/145 PSI for Type 700.01
- ◆ Differential ranges from 0/3 to 0/60 PSI for Type 700.02
- ◆ Sturdy stainless steel pressure ports
- ◆ High static pressure ratings
- ◆ Modular design with field-installable components
- ◆ Reed alarm contacts can be easily added

### Application

For monitoring differential pressures in filter plants, pipeline systems, valves and pumps, particularly in the gas, water and air supply markets and the preparation of such media without any magnetic substances. The Type 700.02 is suitable for measuring liquids, such as water treatment and supply systems.

### Size

3" (80 mm)

### Accuracy

±3% of span (on rising pressure) - Type 700.01

±5% of span (on rising pressure) - Type 700.02

### Scale Ranges

0/6 to 0/145 PSID - Type 700.01

0/3 to 0/60 PSID - Type 700.02

or other equivalent units of pressure

### Maximum Static Pressure (either side)

1500, 4000, or 6000 PSI - Type 700.01

1500 PSI only - Type 700.02

### Operating Temperature

Ambient: 32°F (0°C) to 140°F (60°C)

Medium: max. + 212°F (+100°C)

### Weather Protection

Weather resistant (NEMA 4 / IP 54)

## Standard Features

### Pressure chamber and connections (exposed to pressure medium)

316 stainless steel, 2 x 1/4" NPT female

### Pressure element (exposed to pressure medium)

Compression spring: 304 stainless steel

### Magnetic piston (exposed to pressure medium)

Piston: 316 stainless steel

Magnet: barium-iron

### Separation Diaphragm (exposed to pressure medium)

NBR

### Dial

White aluminum with black lettering

### Pointer

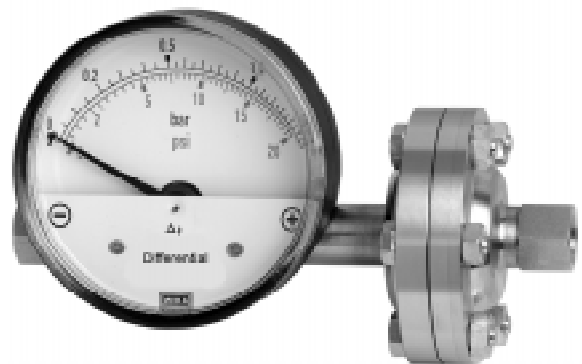
Black aluminum

### Gauge Case

Black-painted aluminum



Type 700.01



Type 700.02

### Window

Snap-in acrylic

### Gauge Mounting

Pressure entries identified ⊕ and ⊖

⊕ high pressure, ⊖ low pressure

Gauge should be mounted to study piping. Optional bracket for surface or pipe mounting is available.

### Order Options

Drag pointer (max. hand) (field installable)

Reed alarm contacts, UL/CSA approved (field installable)

Front flange (field installable) for Type 700.01

Rear flange (field installable) for Type 700.01

Higher accuracy

Lower mount or back mount connection

Sintered filter in ⊕ side

Other threaded connections (limited to wrench flat area)

**APM 700.01**  
**(APM 07.14)**

