



# Differential Pressure Gauges

Process Industry Design  
All Welded Construction  
Diaphragm Element Series • Type 732.51

## Pressure Gauges

### Application

All stainless steel differential pressure gauge. Suitable for corrosive environments and gaseous and liquid media that will not obstruct the pressure system.

### Sizes

4" and 6" (100 and 160 mm)

### Accuracy

± 1.5% of span

### Ranges

7 "H<sub>2</sub>O to 400 PSI (16 mbar to 25 bar)  
Scale range 7" H<sub>2</sub>O: full scale length approx. 180°  
or equivalent other units of pressure or vacuum

### Working Range

Steady: full scale value  
Fluctuating: 0.9 x full scale value

### Static Pressure Rating

See table on opposite page

### Overpressure Safety

See table on opposite page

### Operating Temperature

Ambient: -4°F (-20°C) to 140°F (60°C)  
Media: max. + 212°F (+100°C)

### Temperature Error

Additional error when temperature changes from reference temperature of 68°F (20°C) ± 0.4% for every 18°F (10°C) rising or falling. Percentage of span.

### Weather Protection

Weather resistant (NEMA 3 / IP 54)

## Standard Features

### Pressure Connection (exposed to pressure medium)

Pressure chamber  
Material: 316 stainless steel  
2 x 1/4" NPT or G 1/4 female

### Pressure element (exposed to pressure medium)

≤ 100 "H<sub>2</sub>O: 316 stainless steel  
> 100 "H<sub>2</sub>O: Duratherm (NiCrCo-alloy)

### Sealing bellows (exposed to pressure medium)

316 stainless steel

### Venting Plugs (exposed to pressure medium)

316 stainless steel  
Scale ranges ≤ 100 "H<sub>2</sub>O (Option: ranges ≥ 160 "H<sub>2</sub>O)

### Movement

Stainless steel

### Dial

White aluminum with black lettering

### Pointer

Black aluminum pointer, adjustable



### Case

Stainless steel with stainless steel bayonet ring. Blow-out plug in back of case

### Window

Laminated safety glass

### Gauge Mounting

Pressure inputs identified ⊕ and ⊖

⊕ high pressure

⊖ low pressure

Requires mounting to sturdy piping or with front or rear flange. Gauge body has integral threaded mounting holes. Additional pipe or surface mounting bracket is available as an option.

**APM 732.51**  
**(APM 07.05)**

