Capsule Pressure Gauges
Stainless Steel Case
High Overpressure Safety
Low Pressure Series • Type 632.51

Application
All stainless steel pressure gauge. Suitable for corrosive environments and gaseous media of very low pressure.

Sizes
4" and 6" (100 and 160 mm)

Accuracy
± 1.5% of span

Ranges
1 to 240 "H₂O (2.5 to 600 mbar)
or equivalent other units of pressure or vacuum

Working Range
Steady: Full scale value
Fluctuating: 0.9 x full scale value

Overpressure Safety
50 x scale range (100 psi /7 bar maximum)

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

Weather Protection
Weather resistant (NEMA 4X / IP 54)

Standard Features

Connection
Material: 316 stainless steel
1/2" NPT or G 1/2 A - 22 mm flats

Capsule Element
316 stainless steel

Pressure Chamber
316 stainless steel

Gasket
PTFE

Movement
Stainless steel

Dial
White aluminum with black lettering

Pointer
Black aluminum, adjustable

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

Window
Laminated safety glass

Gauge Mounting
Requires mounting on a strong pipe, gauge valve or gauge mounting bracket. Optional pipe or wall mounting bracket is available.

Order Options
Other threaded pressure connection
Pipe or wall mounting bracket (see data sheet AAM 09.07)
Front or rear flange (note wide diameter of the pressure chamber when mounting)
Accuracy ±1.0% of span (not all ranges)
Extra overpressure safety (not all ranges)
Alarm contacts (see data sheet AAE 08.01)
Transmitters (see data sheet AE 08.02)
Dimensions:

Design and operating principle
- The sealed chamber (1) contains the capsule element (2).
- The outer walls of the capsule element are exposed to the pressure medium.
- Any deflection of the capsule walls will be transmitted to the instrument's movement and pointer.
- A pressure greater than maximum scale value will cause the capsule to fully collapse. The specially shaped walls of the capsule prevent deformation of the capsule and provide overpressure protection.

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<th>b</th>
<th>D1</th>
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THE MEASURE OF
Total Performance™

Ordering Information:
State computer part number (if available) / type number / size / range / connection size and location / options required.

Specifications given in this price list represent the state of engineering at the time of printing. Modifications may take place and the specified materials may change without prior notice.

08/99