Bourdon Tube Pressure Gauge
Type 111.11PM Panel Mount Gauge
Standard Series

Applications
- Compressed gas regulation
- HVAC and recovery systems
- Suitable for all media that will not obstruct the pressure system or attack copper alloy parts

Product features
- Durable black ABS case
- Twist-lock window
- Reliable and economical
- Fits 2½" (68 mm) US panel cutouts

Specifications

Design
ASME B40.100

Sizes
2½" (68 mm)

Accuracy class
± 3/2/3% of span (ASME B40.100 Grade B)

Ranges
Vacuum / Compound to 200 psi (16 bar)
Pressure from 15 psi (1 bar) to 6,000 psi (400 bar)
or other equivalent units of pressure or vacuum

Working pressure
Steady: 3/4 of full scale value
Fluctuating: 2/3 of full scale value
Short time: full scale value

Operating temperature
Ambient: -40°F to 140°F (-40°C to 60°C)
Media: 140°F (+60°C) maximum

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

Pressure connection
Material: copper-alloy
1/8" or 1/4" NPT center back mount (CBM)

Bourdon tube
Material: copper alloy
≤ 870 psi (60 bar): C-shape
> 870 psi (60 bar): Helical

Movement
Copper alloy

Dial
White aluminum with stop pin and black lettering.
Zero-adjustment screw on dial

Pointer
Black aluminum

Case
Black ABS

Window
Twist-lock clear polycarbonate

U-clamp bracket
Zinc-plated steel with two threaded screws
Optional Extras

- Brass restrictor
- Custom dial layout
- Special threaded connection
- Other pressure scales available: bar, kPa, MPa, kg/cm² and dual scales

Dimensions

Recommended panel cutout is dimension D + 1 mm

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