Bourdon Tube Pressure Gauge
Type 111.10, Black Plastic or Painted Steel Case
Standard Series - Lower Mount

Applications

- Hydraulic and pneumatic systems
- Pumps, compressors, water systems, regulators
- Suitable for fluid medium which does not clog connection port or corrode copper alloy

Special features

- Copper alloy wetted parts
- Black plastic or painted steel case
- Lower mount (LM) process connection

Standard Features

Design
EN837-1 and ASME B40.100

Sizes (All sizes not stocked)
1½”, 2”, 2½” and 4” (40, 50, 63, and 100 mm)

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

Ranges (All ranges not stocked)
Vacuum/Compound to 30 Hg / 0/ 200 psi
Pressure from 15 psi to 6,000 psi
or other equivalent units of pressure or vacuum
Receiver scales 3...15 psi

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% for every 18°F (10°C) rising or falling. Percentage of span.

Pressure connection
Material: copper alloy
Lower mount (LM)
1/8” or 1/4” NPT

Bourdon Tube
Material: copper alloy
30”Hg (Vac) to 600 psi C-type
800 psi to 6,000 psi helical type

Movement
Copper alloy

Dial
White plastic with stop pin (1½”, 2”, 2½”)
White aluminum with stop pin (4”)
Black or black and red lettering

Pointer
Black ABS plastic (1½”, 2”, 2½” LM)
Black aluminum (2”, 2½” and 4” LM)

Case
Black plastic

Window
Crystal-clear plastic, snap-fit
Optional Extras

- Accuracy $\pm 2/1/2\%$ of span (ASME B40.100 Grade A)
- Slip-fit or friction ring
- Case with blowout plug
- Glass window
- Black painted steel case
- Stainless steel case
- Brass polished case and friction ring (2½" only)
- Special case colors
- Special connections (limited to wrench flat area)
- Cleaned for oxygen service
- Nickel plated connection
- Medical specification
- Rubber cover (2", 2½")
- Custom dial layout
- Other pressure scales available:
  - bar, kPa, MPa, kg/cm² and dual scales
- DIN standards
- Red set pointer on aluminum dial or on snap-on window
- External adjust red drag pointer
  (black steel - 2½" case only)

Note: Press-fit brass restrictor standard for 111.10B, 1,000 psi to 6,000 psi

Dimensions

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