BOURDON TUBE PRESSURE GAUGE

OVERVIEW:

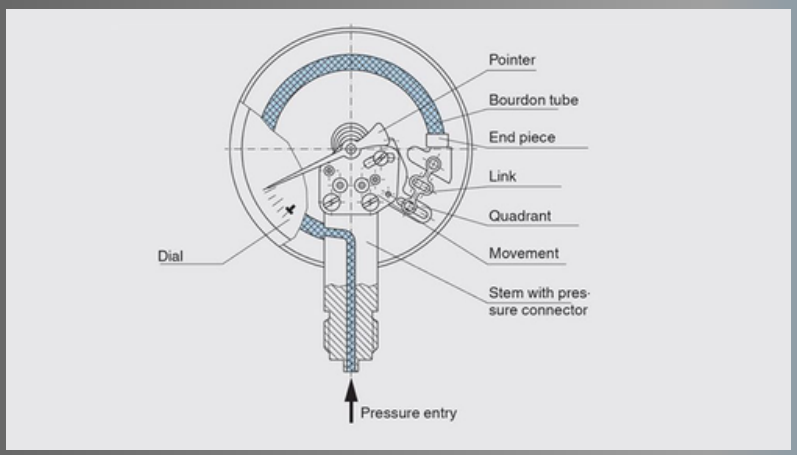
CM ENGINEERS Bourdon Tube Pressure Gauge is designed for precise and reliable pressure measurement in a wide range of industrial applications. With robust construction and high accuracy, this gauge is ideal for monitoring pressures in gases and liquids across various sectors, such as chemical, oil & gas, and HVAC industries.

Special Features:

- Durability: Stainless steel Bourdon tube construction ensures long-lasting performance, even under harsh conditions.
- Versatile Mounting: Bracket mounting for easy installation in industrial environments.
- Accuracy: High accuracy, with a minimal margin of error.
- Protection: Enclosure rated IP65 to safeguard against dust and water ingress.

Applications:

- Industrial: Oil & Gas, Chemical, Power Plants, HVAC systems, Pumps, and Compressors.
- Water Treatment: Monitoring and control in filtration and pressurized systems.
- Manufacturing: Pressure measurement in equipment and process lines.



Specifications:

1. Type	Bourdon Tube Pressure Gauge
2. Dial Size	63 mm, 100 mm, 150 mm (depending on application)
3. Pressure Range	0 - 20 K g/cm^2
4. Accuracy Class	±1.6% of Full Scale
5. Sensing Element	Stainless Steel Bourdon Tube
6. Mounting	Bracket, Surface, or Panel Mount
7. Process Connection	¼" NPT or customized options
8. Connection Type	Bottom or back connection options
9. Enclosure Rating:	IP65 (dust-tight and protected against water jets)
10. Material	• Case: Stainless Steel • Bourdon Tube: SS 316 L for corrosion resistance • Lens: Polycarbonate or glass (depending on model) • Pointer: Aluminum

Class, measuring ranges & limits of error as per EN 837 -1

Class 1	Measuring Range	Limits of Error	Notes
Class 1	0.6 to 1,000 bar	±1.0% of Full Scale	High accuracy for critical applications
Class 1.6	0.6 to 1,000 bar	±1.6% of Full Scale	Standard accuracy for general industrial use
Class 2.5	0.6 to 1,000 bar	±2.5% of Full Scale	Suitable for less precise, but reliable measurements

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