**Spirahelic® Direct Drive Pressure Gages**

Panel Mount, 4-1/2” & 8-1/2” Dials, ASME Grades 2A & 3A

The Series 7000 & 7000B Spirahelic® Direct Drive Pressure Gages employ a unique triple helix Bourdon tube for precision measurement of compatible gases and liquids. The direct drive design reduces friction and mass, resulting in exceptionally good responsiveness, repeatability and accuracy. Because there are no gears, springs, linkages or other complicated mechanisms, wear is practically eliminated. The Series 7000 has solid brass or 316 stainless steel housings and standard with a dual-size 1/2˝ male NPT and 1/4˝ female NPT process connection.

**APPLICATIONS**
- Systems with high cycle rates
- Process with problematic pressure surges and spikes
- Environmental with continuous vibration shock

**FEATURES/BENEFITS**
- Direct drive design with single moving part maximizes lifespan and accuracy without the need to recalibrate
- Elastic Bourdon tube resists overpressure and returns to original setting
- Blowout hole prevents early failure from high overpressure conditions
- Single element sensing means total lower cost of ownership because of long service life and lower cost to maintain

**SPECIFICATIONS**
- **Service:** Compatible gases & liquids.
- **Wetted Materials:** Grade A accuracy: Inconel® X-750 alloy Bourdon tube, nickel plated brass connection block; Grade 2A accuracy: Inconel® X-750 alloy Bourdon tube, type 316L SS connection block.
- **Housing:** Black polycarbonate case and clear acrylic cover.
- **Accuracy:** Grade A (2%-1%-2%); Grade 2A (0.5% FS).
- **Pressure Limit:** 150% of full-scale. Gage will maintain its specifications for overpressures up to 150% max. range. Normal operation should be between 25% and 75% of full-scale.
- **Temperature Limits:** -65 to 180°F (-53.9 to 82.2°C).
- **Process Connections:**
  - **7000:** Two 1/4˝ female NPT field-selectable back or bottom connection; 7000B: Dual size 1/2˝ male NPT X 1/4˝ female NPT, bottom connections.
  - **Weight:** 7000: 4-1/2˝ dial face: (114.3 mm), 8-1/2˝ dial face: (215.9 mm), design conforms to ASME B40.1.
- **Standard Accessory:** One 1/4˝ male NPT stainless steel plug.

**USA: California Proposition 65**

⚠️ **WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov

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