Model P-250
Compact Pressure Transmitter

FEATURES

- Pressure Range :
  0~1,0~2,0~4,0~6,0~10,0~15,0~20,0~35,0~50,0~100, 0~160, 0~250, 0~350, 0~400, 0~500, 0~700 kg/㎠
  -760~0mmHg, -1~9, -1~15kg/㎠
  [Gage and absolute]
- Accuracy :
  ± 0.2% [non-linearity repeatability, hysteresis]
- Temperature coefficient [0.1 % per 10℃] may be optimized for a specific operating temperature.
- Zero and Span adjusted
- Diaphragm sensing type
- Direct Mounting
- Operating temperature Range : -40 ℃ to +125 ℃
- Long Term Stability : ± 0.2%
- Electromagnetic Interference [EMI] Protection
- Housing protection : IP65

KORINS AS A QUALITY MANUFACTURER

For high pressure measurement [gage and absolute], KORINS P-250 Series offers combined repeatability and hysteresis errors that are typically below 0.03% of full scale. Long term minimization of these errors is maintained after millions of full scale overpressure cycles, making electronic set point virtually drift-free.

Use of ceramic materials in the sensing element and its mounting provides excellent resistance to most liquids and chemicals. Ruggedness and reliability are also enhanced by a stainless steel housing to resist corrosion. Pressure sealing for media compatibility is provided by selection of O-ling seals.

KORINS ceramic sensing element contains an integral, reliable, solid state, costom hybrid circuit signal conditioner. This circuit provides temperature compensation for a stable output through use of computer-controlled laser trimming of hybrid circuit components. Unit-to-unit uniformity is assured with no adjustment or recalibration required by the user. in addition, the P-250 is ideal for remote battery operation because of its low current drain and ratiometric output.

The P-250 Series provides a high level output, which allows it in most cases to match low level indicators, scanners and data loggers. The ratiometric output of the P-250 is ideal for digital monitoring. By using the supply voltage as the reference for the conversion circuit, measurement accuracy is maintained regardless of supply voltage variations.

ADVANTAGES

- Ceramic and silicon sensing technology.
- Ceramic characteristics provide extremely low hysteresis and high repeatability.
- Ceramic and silicon sensor can directly withstand nearly all process media with temperatures up to 125 ℃ continuous

APPLICATIONS

- Process Control
- Petrochemical
- Transmissions
- Water Management
- Air Conditioning and Refrigeration
- Pneumatic and Hydraulic Controls
- Pump and Compressors
- Engine Monitoring and Test Equipment
- Agricultural Chemical Controls
- Environmental control Systems
- Level / Depth Instrumentation

P-250 OPERATION