

Model P-200

Low Cost 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 kg /cm²
-760~0mmHg, -1~9, -1~15 kg /cm²

[Gage and absolute]

Accuracy :

± 0.25% [non-linearity, repeatability, hysteresis]

Temperature coefficient [0.1% per 10] may be optimized for a specific operating temperature.

Zero and Span adjusted

Operating temperature Range : -40 to +125

Long Term Stability : ± 0.25%

Electromagnetic Interference [EMI] Protection

KORINS AS A QUALITY MANUFACTURER

For high pressure measurement [gage and absolute], KORINS P-200 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 liquid 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-ring seals.

KORINS ceramic sensing element contains an integral, reliable, solid state, custom 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-200 is ideal for remote battery operation because of its low current drain and ratiometric output.

The P-200 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-200 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
Transmissions

Petrochemical
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-200 OPERATION



