

Type AC-1 Pressure Transmitter for Refrigeration and HVAC Applications

Refrigeration and HVAC Applications

The new AC-1 pressure transmitter uses an integrated thick film ceramic pressure sensor to meet the price and performance requirements of commercial and OEM HVAC and refrigeration applications. The wetted parts include ceramic, brass, and a polychloroprene (Neoprene®) sealing ring. These materials are compatible with most common refrigerants.

Performance and reliability

The AC-1 provides a linear, amplified voltage or milliamp signal output with short circuit, reverse polarity, and overvoltage protection. The ceramic thick film sensor provides a non-linearity of less than 1.0% B.F.S.L. and has no measurable hysteresis error. The AC-1 was tested using strict protocols designed specifically for the refrigeration and HVAC industry. It meets or exceeds all test requirements including resistance to high pressure steam jets, condensation, dust tightness, and icing.

Economical price with high performance

Assembly on highly flexible manufacturing lines provides a cost effective transmitter for both small and large quantity production runs.

Neoprene® is a registered trademark of E. I. du Pont de Nemours and Company



Standard Features

- **Signal Output:** 4-20 mA 2-wire, 0-10 V 3-wire or 0.5-4.5 V, ratiometric
- **Supply Voltage:** 7-30 VDC (14-30 VDC)
- **Electrical Connection:** Chemical resistant fiberglass-enforced plastic (PBT GF 30)
- **Accuracy** % of span \leq 1.0 (B.F.S.L.)

See Datasheet **AC-1** for additional information