



From lab to production,
providing a window into the process



EPR4 Series

IDEAL FOR FOOD OR MEDICAL APPLICATIONS



Description

The EPR4 Series transmitter is a $\pm 0.5\%$ sensor ideal for food or medical applications requiring simple installation, repeatability and reliability. The push-rod technology provides a design suitable for applications where a filled system may not be desirable. The EPR4 transmitters provide the industry standard 4 - 20 mA amplified signal designed to work with DCS and PLCs. The EPR4 comes equipped with adjustable zero and span pots. Optional thermocouple or RTD configurations are available to provide melt temperature. The EPR4 can feature either the standard push rod configuration (see mechanical drawing) or a 1/2-20 UNF thread for simple and easy installation in standard transducer mounting holes (M561).

Features

- Adjustable zero and span
- Push-rod technology, non-liquid filled system
- Accuracy better than $\pm 0.5\%$
- DyMax™ coated convoluted SST wetted parts
- 4 - 20 mA output
- Internal 80% shunt calibration

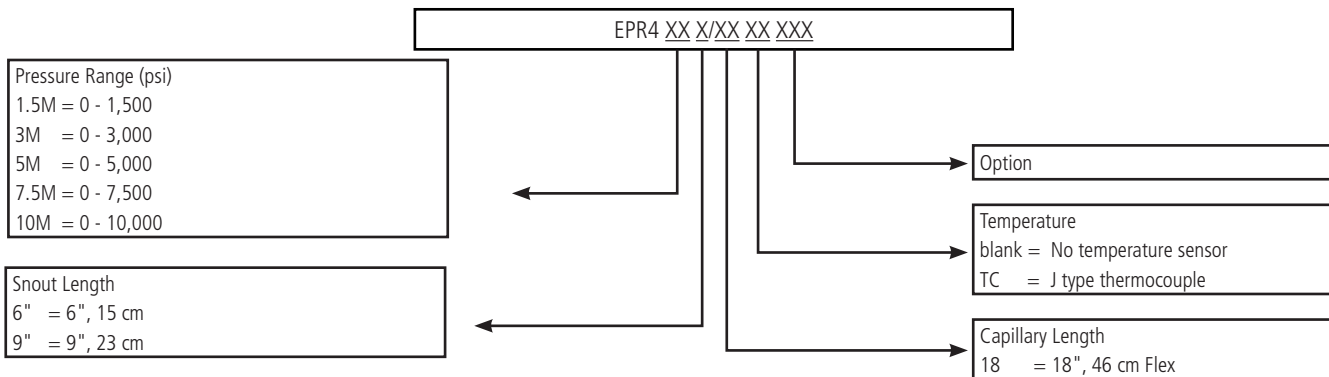
Performance Characteristics

Output:	4 - 20 mA
Input Voltage:	14 - 36 Vdc
Combined Error:	± 0.5% FSO
Repeatability:	± 0.2% FSO
Configuration:	Four-arm bonded foil Wheatstone bridge strain gage
Load Resistance:	0 - 1,100 Ohms
Over Pressure:	1.5 X FSO
Internal Shunt Calibration (R-Cal):	80% FSO ± 0.5%
Insulation Resistance:	1000 megohms @ 50 Vdc

Temperature & Mechanical Characteristics

Max Diaphragm Temperature:	750°F (400°C)
Zero Shift (Due To Temperature Change):	± 1.0% FS/100°F Typical (± 2.0% FS/100°C)
Electronics Operating Temperature:	-20°F to 185°F (-25°C to 85°C)
Zero Shift (Due to Temperature Change):	± 3.0% FS/100°F max (± 6.0% FS/100°C max)
Mounting Torque:	250 inch/lbs. maximum
Standard Wetted Parts:	DyMax™ coated 17-4 PH SST

Ordering Guide for EPR4 Series



Standard mating connector Dynisco P/N 711600 or 6-pin mating connector cable assembly. Accuracy may be affected if non-standard configurations are used. For additional options please consult factory.

