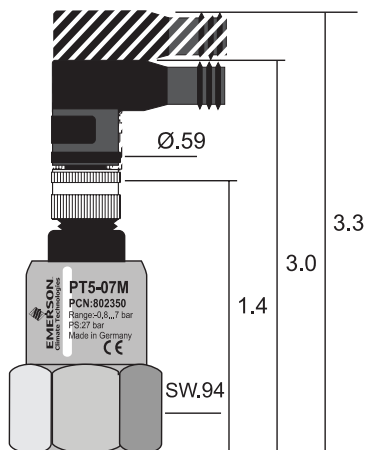


The Pressure Transmitters convert a pressure into a linear electric output signal. At the heart of the transmitter there is a piezo resistive chip enclosed in an oil capsule.

Features

- Pressure sensitive piezo-based cell with strong primary output signal for precise operation
- Compact dimensions
- Vibration, shock and pulsation resistant
- Reduced full scale error over complete temperature range
- Sealed gauge absolute pressure reference for increased accuracy independent of atmospheric pressure variation
- Output signal is 4 to 20 mA
- Calibrated for specific temperature and pressure ranges to fulfill application demands in air conditioning and refrigeration systems
- Easy-to-install M12 electrical connection with pre-assembled cable assembly
- Pressure connector 7/16-20 UNF with Schrader valve

Dimensional Data (in)



Specifications

- Supply voltage: Nominal 24 VDC
Range (polarity protected) 7 – 30 VDC
- Permissible noise & ripple: < 1 V_p
- Influence of supply voltage: < 0.02 % FS/V
- Operating current: 4 to 20 mA output, Max. ≤ 24 mA
- Load resistance: RL ≤ U_b-8.0V 0.02A
- Mounting position: Non-position sensitive
- Response time: <5 ms
- Temperatures: Ambient: -40°F to +176°F
Medium: -58°F to +275°F
Storage: -40°F to +185°F
- Sensor Life: ≥10,000,000 cycles full stroke at 77°F
- Burst Pressure: -07M = 2,176 psi
-18M and -30M = 3,626 psi
- Electrical connection: PT4-M60
- Approvals: CE marking according to PED, not allowed (SEP)
CE marking according to EMC, CE marked
- Medium compatibility: HFC, HCFC, CFC (not suitable for ammonia and flammable refrigerants!)
- Vibration at 10 – 2000 Hz: Max. 4 g
- Materials: Stainless steel housing, pressure connector and diaphragm in contact with sensed medium
- Pressure Range: PT5-07M: 12-102 psi
PT5-18M: 0-261 psi
PT5-30M: 0-435 psi

Ordering Information

Description	Type	Refrigerant	Pressure Range	Reference #	PCN
Pressure Transmitter	PT5-07M	R22, R134A, R507, R404A, R407C, R124	12-102 psi	802350	097748
Pressure Transmitter	PT5-18M	R410	0-261psi	802351	097749
Pressure Transmitter	PT5-30M	R744	0-435psi	802334	097728
Plug/Cable Assemblies	PT4-M60			804805	097717