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.

**Specifications**

- **Supply voltage:** Nominal 24 VDC
  - Range (polarity protected) 7 – 30 VDC
- **Permissible noise & ripple:** < 1 Vp-p
- **Influence of supply voltage:** < 0.02 % FS/V
- **Operating current:** 4 to 20 mA output, Max. ≤ 24 mA
- **Load resistance:** RL ≤ Ub-8.0V 0.02A
- **Mounting position:** Non-position sensitive
- **Response time:** <5 ms
- **Temperatures:**
  - Ambient: -40°F to +176°F
  - Medium: -58°F to +212°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: 22"Hg - 100psi
  - PT5-18M: 0-261 psi
  - PT5-30M: 0-435 psi

**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)**

```
<table>
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<tr>
<th>Description</th>
<th>Type</th>
<th>Refrigerant</th>
<th>Pressure Range</th>
<th>Reference #</th>
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<td>R22, R134A, R507, R404A, R407C, R124</td>
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<td>R410</td>
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<td>PT5-30M</td>
<td>R744</td>
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**Ordering Information**

- Pressure Transmitter
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- Plug/Cable Assemblies