

- DUAL TEMPERATURE SENSOR INPUTS
- 4 DIGIT LED DISPLAY IN DEGREE C OR F
- RUGGED NEMA 4X ENCLOSURE
- CHOICE OF ALUMINUM OR SS316 ENCLOSURE
- EXPLOSION PROOF CERTIFIED
- 3 YEARS WARRANTY



Introduction

IME Model 8080PR3 allows 2 independent alarms to be assigned over the temperature range of the sensor. The unit will accept an input from a Pt100 RTD Sensor and provide an indication on a bright 4 digit LED. The unit serves a dual purpose since in addition to local indication of temperature, which is switch selectable to read Deg F or Deg C, it also serves as an accurate and repeatable temperature switch.

Description

IME Model 8080PR3 Temperature Indicator are designed for use in process industries where vibration, inclement weather and corrosive atmospheres prevail. The electronics are enclosed in a copper-free epoxy coated Aluminum housing. For more aggressive environments, a SS316 housing is also available. The housings meet the requirements of NEMA 4X, and are also certified Explosion Proof by CSA, ATEX & IECEx.

LED Meter

Model 8080PR3 has a 4 digit LED display. Choice of °C or °F, alarm settings etc can be adjusted via the membrane switches located in the front panel.

Mounting

A wide choice of stainless steel mounting brackets are available for mounting the Model 8080PR3 on either a 2" pipe or wall.

Certification System

	<p>CLASS I, DIV I GROUPS B, C AND D CLASS II, DIV I GROUPS E, F AND G NEMA 4X, T6</p>
	<p>ATEX II 2 G D Ex d IIC T6 Gb Ex tb IIIC 85°C Db IP68 Ta = -40°C to +60°C</p>
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Functional Specifications

Indication Accuracy

0.1% of Calibrated range +/- 1 digit

Alarm Status Indication

LED on front panel

Display Height

10.0 mm (0.4") high

Input

Dual Input, RTD Pt100

Contact Rating

230 VAC, 5A, Resistive; 24VDC, 5A, Resistive

Supply Voltage

12 ~ 28 VDC

Operating Temperature

-40 - 60 °C

Weight

0.9Kg (2LBS) for Aluminum Unit and 1.4Kg (3LBS) for SS316 unit

Material of Construction

Enclosure epoxy coated Copper-Free Aluminum or SS316 as specified

O Rings

Buna N

Optional Accessories

Mounting Brackets (IME Model 175PM, 175RC, 175NR, 175MM)

Both the Aluminum and the SS316 housing are certified NEMA 4X. As indicated below. IME model 8080PR3 can be optionally provided with certification and a stainless steel name plate for use in Hazardous Area applications.

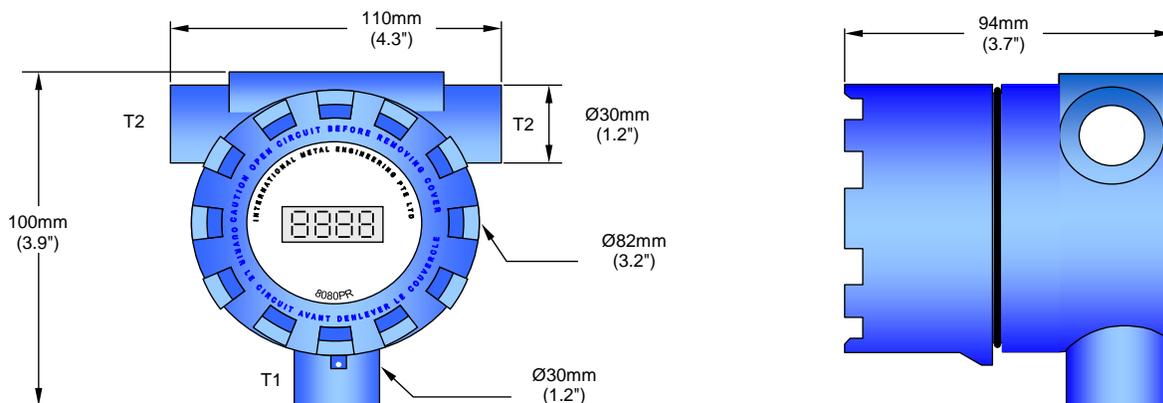
Ordering Information

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8080PR3	A	02	E1	PM	02	← Typical Model Number
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Note:

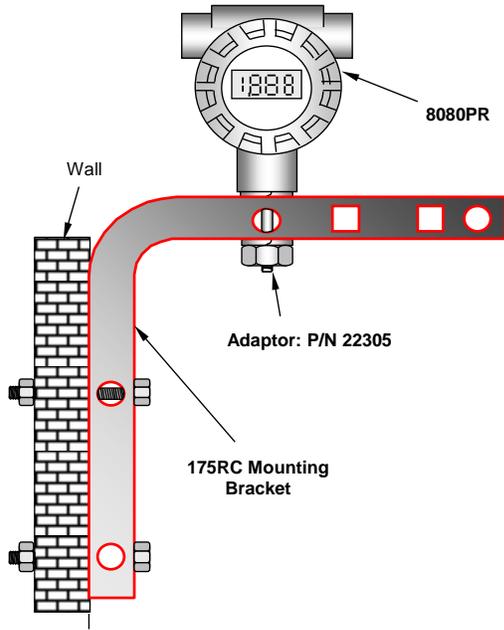
- 1 Ports with M16 x 2P thread are not through holes, they are for Mounting only.
- 2 1/2"BSP & M20 x 1.5P Threads are not Certified by CSA



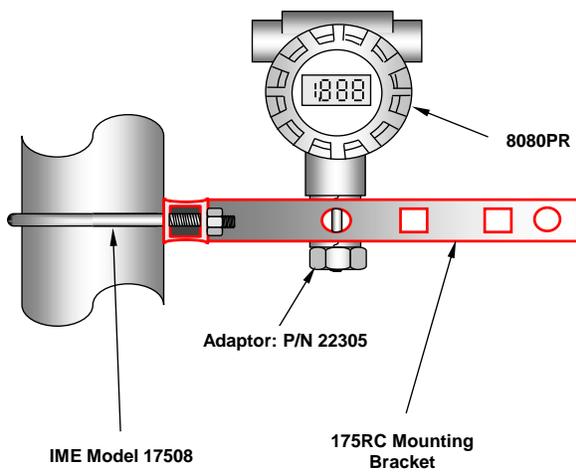
MODEL 175RC MOUNTING BRACKET

IME MODEL 175RC

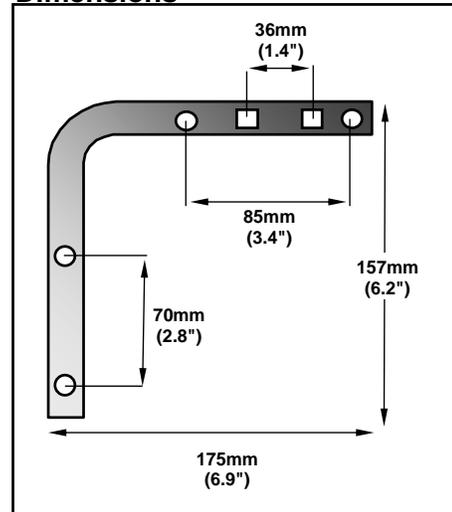
PANEL / WALL MOUNTING CONFIGURATION
9 mm or 5/16 bolts for mounting bracket to wall or panel
(Not Supplied)
Adaptor P/N: 22305 (Optional)



2" PIPE MOUNTING CONFIGURATION
2 Inch "U" Bolt with Nuts and Washers (Optional)
Adaptor P/N: 22305 (Optional)



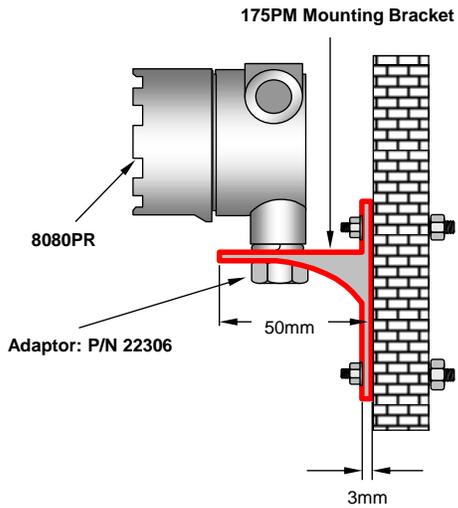
Dimensions



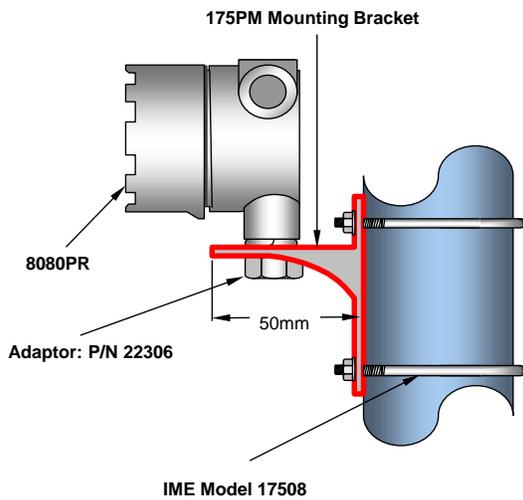
MODEL 175PM MOUNTING BRACKET

IME MODEL 175PM

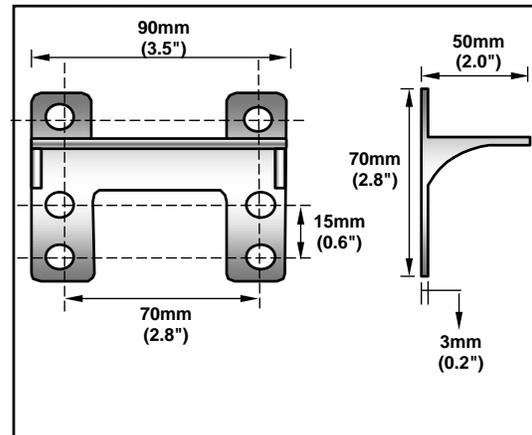
PANEL / WALL MOUNTING CONFIGURATION
 9 mm or 5/16 bolts for mounting bracket to wall or panel
 (Not Supplied)
 Adaptor P/N: 22306 (Optional)



2" PIPE MOUNTING CONFIGURATION
 2 Inch "U" Bolt with Nuts and Washers (Optional)
 Adaptor P/N: 22306 (Optional)



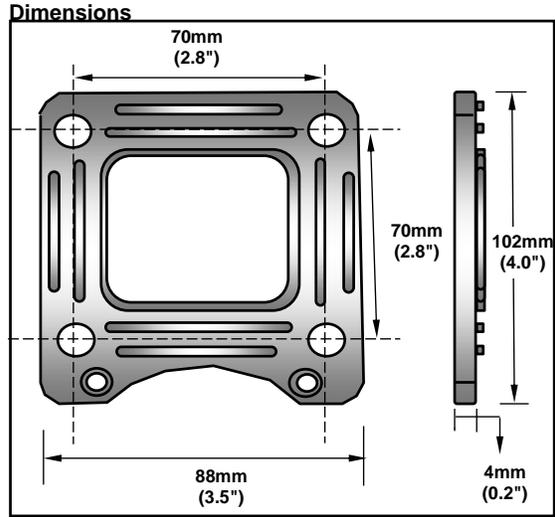
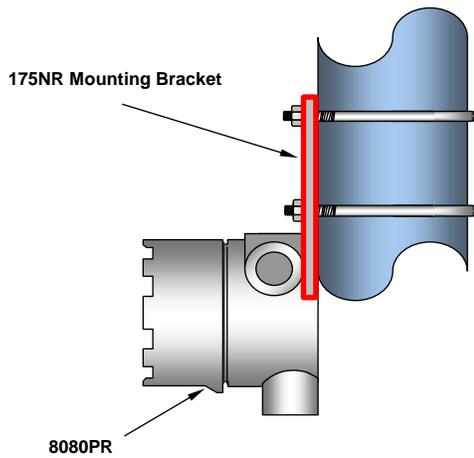
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MODEL 175NR AND 175MM MOUNTING BRACKET

IME MODEL 175NR

2" PIPE MOUNTING CONFIGURATION
2 Inch "U" Bolt with Nuts and Washers



IME MODEL 175MM

PANEL / WALL MOUNTING CONFIGURATION
9 mm or 5/16 bolts for mounting bracket to wall or panel
(Not Supplied)

