

**FLOW INDICATOR AND TOTALIZER WITH DUAL RELAYS**

**8080FR**

- INPUT: 4 TO 20MA DC OR PULSE
- DISPLAYS RATE AND INTEGRATED TOTAL
- 2 ALARMS ASSIGNABLE TO FLOW RATE OR TOTAL
- CHOICE OF ALUMINUM OR SS316 ENCLOSURE
- EXPLOSION PROOF CERTIFIED
- WALL OR PIPE MOUNTING
- 3 YEAR WARRANTY



**Introduction**

IME Model 8080FR is a Digital flow indicator that accepts a 4 to 20 mA signal or pulse from a flow meter and displays the flow rate and the totalized flow. 2 independent alarms can be assigned to either the flow rate or the totalized flow, making the unit ideal for batch control.

**Description**

IME Model 8080FR Flow Indicator/Totalizer is 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 optionally available. The housings meet the requirements of NEMA 4X & IP68, and are also certified Explosion Proof by FM/CSA/ATEX/IECEX.

**LED Meter**

The flow rate and the totalized flow are scaleable from the front panel and displays are updated in less than one second. All parameters can be assigned from the front panel utilizing membrane keys.

**Mounting**

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

**Certification System**

	CLASS I, DIV I GROUPS B, C AND D CLASS II/III, DIV I GROUPS E, F AND G NEMA 4X, T6
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	I M2                      or                      II 2G D Ex d I Mb                      or                      Ex D IIC T6 Gb Ex tb IIIC T85°C Db IP68 Ta = -40°C to +60°C
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**Functional Specifications**

**Indication Accuracy**

0.1% of calibrated range

**Display Height for Flow Rate**

7.6mm (0.3"), 4 Digit LED

**Display Height for Totalized Flow**

7.6mm (0.3"), 6 Digit LED

**Stability Over Time**

0.1% of Calibrated Range +/- 1 digit over 6 months

**Features**

2 sets SPDT, 1 form C rated 10A @250V AC, 50/60Hz

**Set Point Adjustment**

10 to 100% of full scale, user selectable

**Reset**

Automatically when the input falls below the alarm set point by approx. 0.5% of full scale.

**Power Supply**

18~28V DC

**Operating Temperature**

-50 to 75°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 & IP68. As indicated below. IME model 8080FR can be optionally provided with certification and a stainless steel name plate for use in Hazardous Area applications.

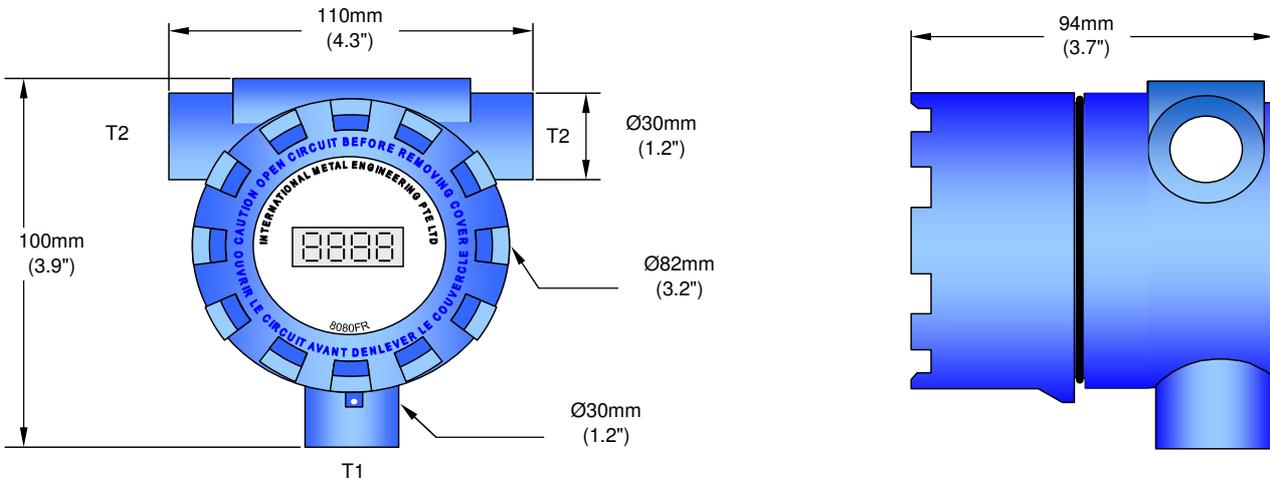
Ordering Information

Model	Description																																																			
8080FR	Field Mounted Flow Indicator / Totalizer with Dual Relays																																																			
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8080FR	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.

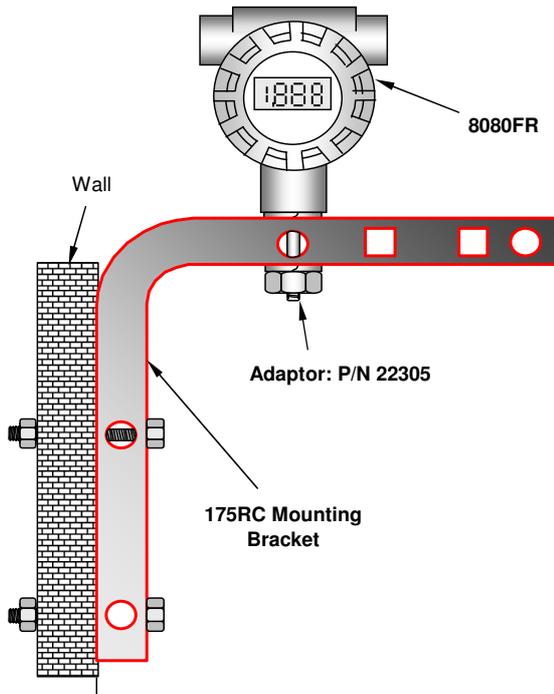


**MODEL 175RC MOUNTING BRACKET**

**IME MODEL 175RC**

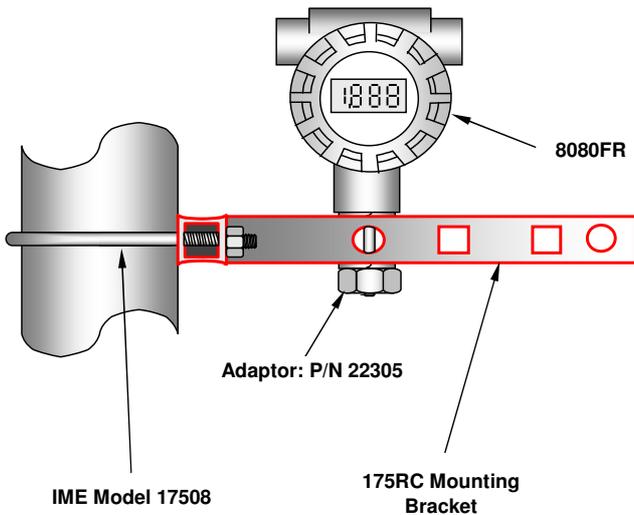
**PANEL / WALL MOUNTING CONFIGURATION**

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

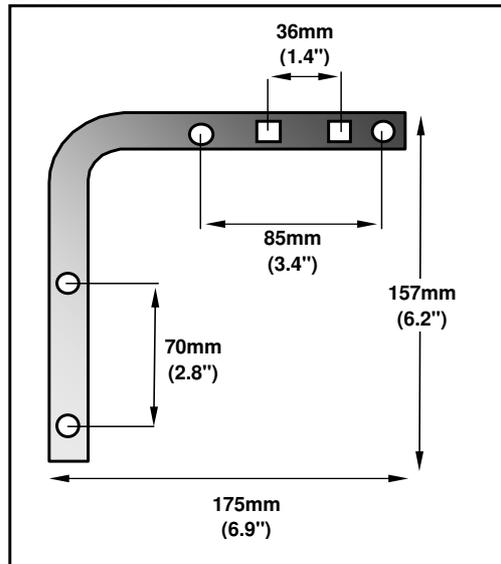


**2" PIPE MOUNTING CONFIGURATION**

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



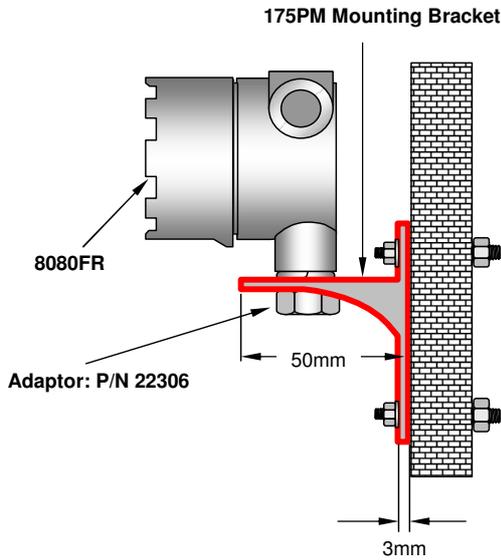
**Dimensions**



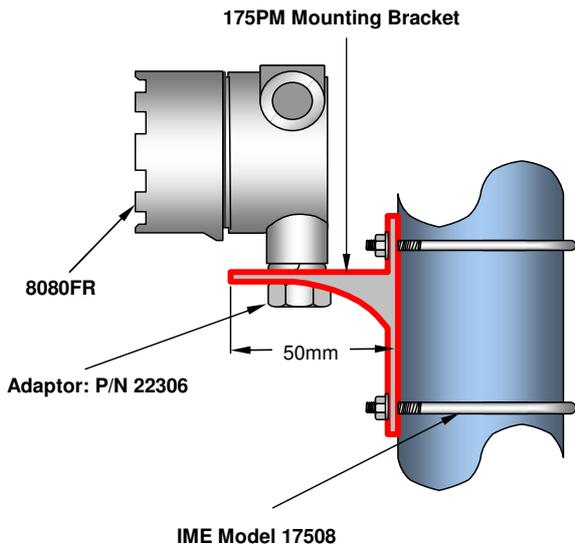
MODEL 175PM MOUNTING BRACKET

IME MODEL 175PM

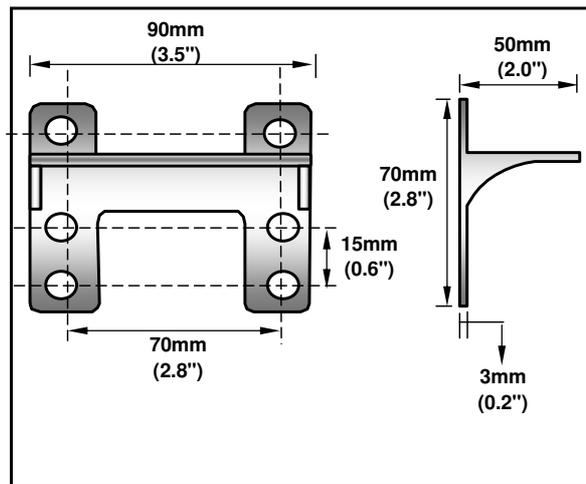
PANEL / WALL MOUNTING CONFIGURATION  
 9 mm or 5/16 bolts for mounting bracket to wall or panel  
 (Not Supplied)  
 Adaptor P/N: 22306 (Optional)



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



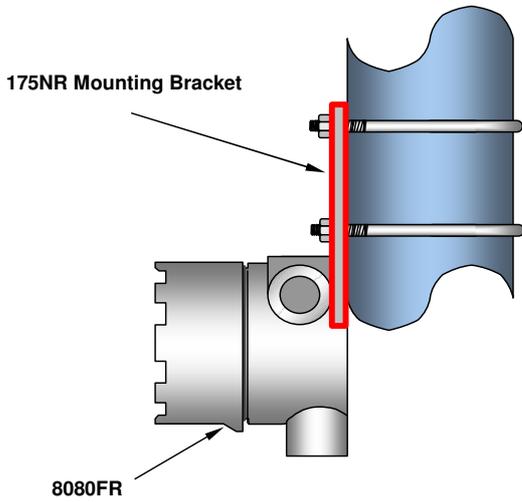
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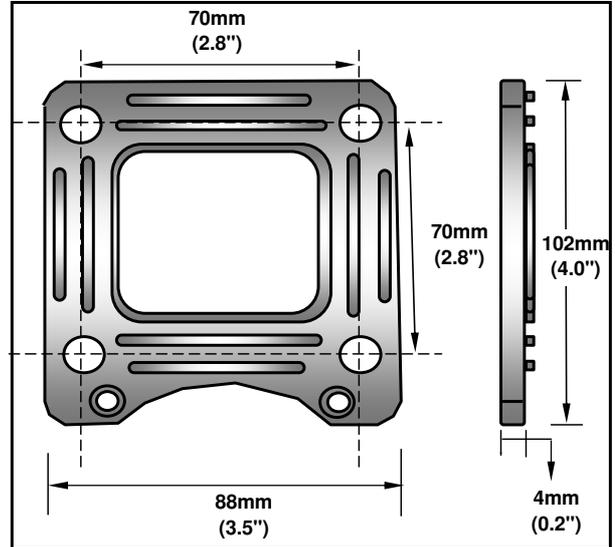
MODEL 175NR AND 175MM MOUNTING BRACKET

IME MODEL 175NR

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

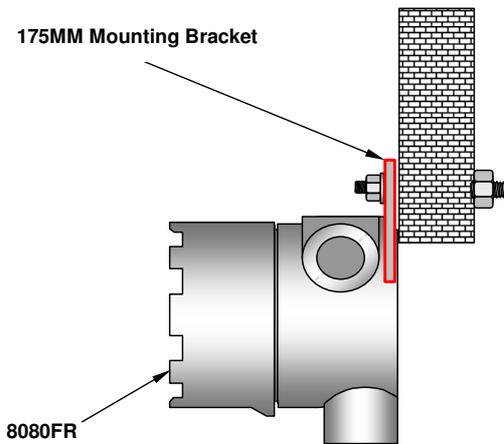


Dimensions



IME MODEL 175MM

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



Dimensions

