

## FIELD MOUNTED LOOP POWERED INDICATOR

8080RR

- 4~20mA Input
- 4 Digit LED Display In Engineering Units
- Two Independent User Assignable Alarms
- Choice of Aluminum or SS316 Enclosure
- Explosion Proof Certified
- Wall or Pipe Mounting
- 3 Year Warranty



### Introduction

IME Model 8080RR Digital Indicators allow the process variable from any transmitter to be monitored in engineering units and 2 corresponding alarms to be assigned. Both alarms can be assigned either high or low within the selected range.

### Description

IME Model 8080PP Indicators are designed for use in process industries where vibration, inclement weather and corrosive atmospheres prevail. The electronics are enclosed in a low copper epoxy coated Aluminum housing and for more aggressive environments, a SS316 housing is optionally available. The housings meet the requirements of NEMA4X and IP67, and are also certified Explosion Proof by FM/CSA and ATEX(CENELEC). Intrinsic Safe certified units can also be used in Zone 0, when used with approved zener barriers.

### LED Meter

The Model 8080PP has 4 digit display and may be configured to read -999 to 9999 with 4-20mA input signal. The decimal point location, engineering units, alarm settings....etc can be adjusted via the membrane keys on the front panel or by using an IR Remote Controller. This feature allows the unit to be re-ranged in the field through the safety glass widow, without even opening the cover of the instrument. Since the IR remote is also IS certified, it can also be used in hazardous areas.

### Mounting

IME Model 8080PP can be wall mounted or mounted on a 2" pipe using mounting brackets

### Functional Specifications

#### Indication Accuracy

0.1% of Calibrated range +/- 1 digit

#### Set Point Adjustment

10~100% of full scale, user selectable

#### Reset

Automatically when the input falls below the alarm set point by approximately +/- 0.5% of full scale.

#### Alarm Set Point Accuracy

+/-0.5% of full scale.

#### Alarm Status Indication

LED on front panel

#### Display Height

12.5mm (1/2") high

#### Alarm Output

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

#### Stability Over Time

0.1% of calibrated range +/- 1 digit over 6 months

#### Over Range Indication

Flashing of display

#### Response Time

Typically 75ms

#### Supply Voltage

18~28V DC

#### Operating Temperature

-50~70°C

#### Weight

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

#### Material of Construction

Enclosure Epoxy painted Low Copper Aluminum or SS316 as specified

#### O Rings

Buna N