



**UP TO 3 PRESSURES & 1 TEMPERATURE INPUTS  
MULTIPLE COMMUNICATION OPTIONS AVAILABLE**

**End-of-Line, Low Pressure Point, District  
Regulator, System Pressure Monitoring,  
Recording and Alarming.**

The ERX with its many configuration and accessories options, is able to monitor and provide alarm notification for most any pressure measurement applications.



The ERX provides accurate pressure measurement, long term battery operation, remote communications, extended Audit Trail logging, and various pressure ranges. The combined set of features and options in this pressure/temperature recorder meets the needs of practically any Class 1, Division 1 & 2 location.

### Product Features

- Up to 3 pressure inputs
- Easy two-point calibration
- 3 operating modes:
  - Sample
  - Pushbutton Display
  - Serial Communications
- Modbus Protocol with optional Protocol Translator Board
- Extended Audit Trail Memory
- Wall-mount, pipe-mount and portable mounting options
- RBX Alarm notification
- Variety of Reports: Log, Item, Site and Calibration
- Expanded alarms, including High/High and Low/Low

### Specifications

#### Accuracy

Maximum error at reference conditions including linearity, repeatability and hysteresis.

- Pressure Transducer:  $\pm 0.4\%$  of full scale
- Temperature Sensor:  $\pm 1.0^\circ\text{F}$  ( $\pm 0.56^\circ\text{C}$ )

#### Ambient Temperature Effects

From  $-40$  to  $160^\circ\text{F}$  ( $-40$  to  $70^\circ\text{C}$ )

- Pressure Transducer:  $\pm 0.6\%$  of full scale per  $100^\circ\text{F}$
- Temperature Sensor: No effect

#### Long Term Stability

- Pressure Transducer:  $\pm 0.5\%$  of full scale per year
- Temperature Sensor:  $\pm 0.4^\circ\text{F}$  ( $0.22^\circ\text{C}$ ) per year

#### Environmental Conditions

- Ambient Temperature:  $-40$  to  $160^\circ\text{F}$  ( $-40$  to  $70^\circ\text{C}$ )
- Ambient Humidity: 0 to  $100\%$  non-condensing

### Data Log Capacity

Log Interval	Capacity
1 min.	6.6 days
5 min.	33 days
60 min.	13 months
24 hrs.	26 years

### Mounting

- Wall mount
- Pipe mount
- Portable

### Power

- Input Voltage: 3.8 to 6 VDC
- Battery Life: 4 years (w/4 D-cell alkaline battery pack at normal operating conditions)

### Certifications



- Class 1, Division 1, Group D
- Class 1, Division 2, Group D
- Class 1, Zone 0, Group IIA

### Weight and Dimensions

- 13.6 lbs (6.2 kg) in 800-series case
- 13.75" H x 10.63" W x 5.38" D

### Find Out More:

To learn more about Mercury Instruments products, contact your Honeywell Field Solutions representative, visit [www.mercuryinstruments.com](http://www.mercuryinstruments.com) or call 513-272-1111.

### Automation and Control Solutions

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