

ERX150 PRESSURE MONITOR

Integrated Cellular Pressure Monitoring Sensor for Gas Distribution and Transmission Applications

Developed for Local Gas Distribution and Transmission companies utilizing Electronic Pressure Recorders to monitor pressure in their gas distribution and transmission grids.

Electronic Pressure Monitors are crucial for maintaining security and availability of gas within the gas distribution network. Honeywell's ERX150 Electronic Pressure Recorders are intended to simplify and optimize pressure monitoring applications.

This new Pressure Recorder leverages the latest cellular advancement of the Cat M1 and NB-IoT technologies bringing years of battery life and on demand connectivity capability on a battery-operated device. Now you can add cellular, battery operated,

pressure monitoring devices to your pressure monitoring system that are capable of responding to unscheduled demand polls! This is made possible by Cat M1 cellular technologies with eDRX functionality.

Featuring long-term stability and extended battery life, the ERX150 minimizes the need for site visits, simplifies field repairs and integrates with PowerSpring R300.2 and most major SCADA packages.



FEATURES & BENEFITS



Plug and Play connectivity



Cat M1 technology



Hourly calls



24/7 reachable



Direct meterset mount



PowerSpring integration



SCADA connection



Class 1 Div 2



Internal or external antenna



GPS Capability

ERX150 Technical Specifications

Pressure Sensor

PERFORMANCE AT 77°F / 25°C

- Accuracy: $\pm 0.25\%$ BFS.L.
- Stability (1 year): $\pm 0.25\%$ FS, typical.
- Over Range Protection: 2X Rated Pressure, Minimum.
- Burst Pressure: 5X or 40,000 PSI (whichever is less).
- Standard Pressure Ranges: 0-2 psi, 0-20 psi, 0-100 psi, 0-500 psi, 0-1,000 psi, 0-3,000 psi, 0-5,000 psi, 0-10,000 psi.
- $\frac{1}{2}$ " Male NPT connexion, 316-SS.

Thermal Limits

Operating Range:

-40 to +176°F (-40 to +80°C).

Compensated Range:

5°F to 150°F (-15°C to +65°C)

TC Zero: $\pm 1.5\%$ of FS.

TC Span: $\pm 1\%$ of FS.

Operating Temp:

-40 to +176°F (-40°C to 80°C).

Humidity: 0% - 100% condensing.

Power: Four D Cell Lithium battery pack. Field replaceable.

Battery Life: 8+ years with an hourly report and 30s pressure sample interval.

Data Interface: LTE CAT M1 MQTT with SparkPlug B.

Data Transmission:

- Report interval 1 min to 12 hours (min, max, avg, Time of Call).
- Configurable report on exception threshold.
- Configurable sampling rate as fast as every 5 seconds.

Cellular Radio Power: 23dBm.

Cat-M1 Supported bands:

B1, B2, B3, B4, B5, B8, B12, B13, B14, B17, B20, B25, B26, B28, B66.

SIM card: 4FF.

eDRX operating mode

Secure socket using TLS

Carrier: Verizon, AT&T, Rogers, Telus, ...

Antenna Type:

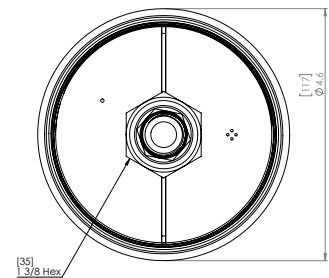
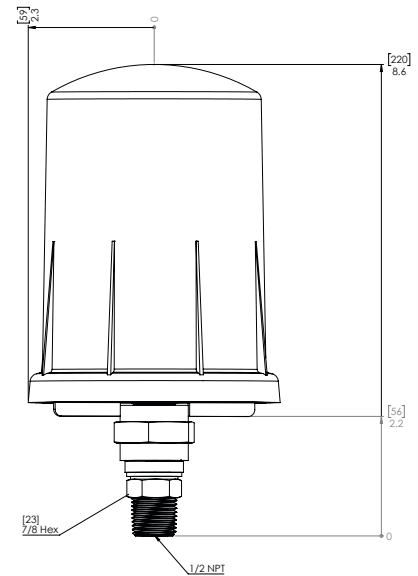
- Internal: LTE w/ Internal GPS.
- External: LTE (SMA Connector)

Enclosure: Industrial polycarbonate UV Rated; IP64.

Safety Rating: Class 1 Division 2 Certified, Groups A, B, C, D. Temperature Code T5. Certified to CSA C22.2 No. 213:2017, Conforms to UL 121201:2017.

Local Micro-USB Configuration Port.

Weight: 2 lbs (910 g).



For more information

To learn more about ERX150 visit www.honeywellprocess.com or contact your Honeywell account manager

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FUTURE
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WHAT
WE
MAKE IT

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