

ER 350

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

Brief information

Local gas distribution and transmission companies utilize Electronic Pressure Recorders to monitor pressure in the Gas distribution and transmission grid. Electronic Pressure Recorders are a key element in the gas value chain, contributing to the security and availability of gas within the gas distribution network.

Honeywell's ER 350 Electronic Pressure Recorders are intended to simplify and optimize pressure monitoring applications. This new Pressure Recorder, based on the EC 350 electronic corrector platform offers best-in-class accuracy, expanded memory, advanced diagnostics and integrated cellular communications. The ER 350 also reduces maintenance requirements and is intuitive and simple to use.

The ER 350 provides:

- Greater flexibility in gas pressure recording
- Intuitive operation for all pressure recording applications
- Versatile wall and pipe mount options
- Support CloudLink 4G Cellular Modem
- IR port allowing for easy configuration
- Advanced audit trail
- Robust diagnostics to reduce maintenance
- Extended 10-year lithium battery life
- Low ownership and operating costs
- Multiple audit trail loggers enabling fast and slow logging



ER 350

The 350 series provides many operational advantages. These flexible devices have a common look and feel, and utilize state-of-the-art technology such as a 4G modem. They also incorporate a highly accurate, plug-and-play digital pressure transducer and an enclosure optimized for serviceability. Featuring long-term stability and extended battery life, the ER 350 minimizes the need for site visits and simplifies field repairs.

Best of all, the ER 350 utilizes the same user interface as our field proven EC 350. It also uses a robust latching and locking mechanism similar to the ERX standard for ruggedness and reliability.

PRODUCT FEATURES

- Wall or Pipe mount
- 1 or 2 pressures, new digital Plug and Play Pressure Transducer
- Logging rate down to 1 minute and sampling rate down to 1 second
- Fully mappable and configurable audit trail memory, including options for multiple audit trail logs (up to 5 different independent logs)
- Multi-line dynamic contrast (LCD display)
- Outputs: 4 opto-couplers (3 pulse + 1 alarm)
- RS232/485 communication port
- Optional cellular radio or landline modem
- Optional 4-20 mA (requires external loop power), additional RS232/485, Mux DI/DO board
- IrDA configuration connection
- Honeywell MasterLink programming software
- Call-In over IP network to major systems using Invisiconnect software

SPECIFICATIONS

Accuracy

- Maximum error over the full temperature range -40° to 70°C (-40 to 170°F) including linearity, repeatability and hysteresis:
 - Pressure: $\pm 0.1\%$ of full scale
 - Temperature: $\pm 0.1\%$ of reading
- Maximum error at reference conditions:
 - Pressure: $\pm 0.04\%$ of full scale
 - Temperature: $\pm 0.1\%$ of reading
- Long term drift:
 - Pressure: $\pm 0.4\%$ of full scale over 10 years
- Recommended calibration time: 10 years



Cloud Link 4G Modem

Environmental Conditions

- Ambient temperature range: -40° to 77°C (-40 to 170°F)
- Ambient humidity range: 0 to 95% non condensing

Power Supply Options

- Alkaline receptacle (5-7 years)
- Lithium batteries (10 years)
- DC power

Certifications

- CSA C/US Class I, Div 2, Groups C&D
- CSA C/US Class I, Div 1, Groups C&D
- IEC-Ex Ex ia IIB T4

To learn more about

Honeywell's Smart Gas Metering Solutions, visit www.honeywellprocess.com or contact your Honeywell Process Solutions representative.

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