EC 350

Flexible PTZ Gas Volume Corrector for
Standard Meter Applications

Brief information

Local gas distribution companies utilize PTZ gas volume correctors to convert gas volume from operating conditions to reference pressure and temperature conditions. They are a key element in the gas value chain—from the meter to billing data.

Honeywell's EC 350 PTZ Gas Volume Correctors are intended to simplify and optimize custody transfer and industrial measurement. This new electronic corrector platform offers best-in-class accuracy, expanded memory, advanced diagnostics and integrated cellular communications. The EC 350 also reduces maintenance requirements and is intuitive and simple to use.

The EC 350 provides:

- Greater flexibility in gas volume correction
- Intuitive operation for all corrector applications
- Versatile UMB-, rotary- and wall-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.

EC 350

The EC 350 line provides many operational advantages. These flexible devices have a common look and feel, and utilize state-of-the-art technology such as a reverse flow capability. 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 EC 350 minimizes the need for site visits and simplifies field repairs.

Best of all, the EC 350 utilizes the same familiar UMB and pulse-sensing mechanism as our field-proven Mini-Max volume corrector. It also uses a robust latching and locking mechanism similar to the Mini-Max standard for ruggedness and reliability.

PRODUCT FEATURES

- Meter-, rotary- or wall-mount
- Direct mounting to the Elster® Rotary Gas Meter RABO®
- 1 or 2 pressures, new digital Plug and Play Pressure Transducer
- Corrected volume calculation according to AGA-7, AGA-8 gross method 1 & 2, AGA8 Detailed and NX-19
- 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)
- AMR-ready and compatible with Itron, Sensus, Aclara and other AMR devices
- 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 billing systems using Invisiconnect software

Accuracy

- Maximum error over the full temperature range –40° to 70°C (-40 to 170°F) including linearity, repeatability and hysteresis:
  - Pressure: ±0.1% of full scale
  - Temperature: ±0.1% of reading

- Maximum error at reference conditions:
  - Pressure: ±0.04% of full scale
  - Temperature: ±0.1% of reading

- Long term drift:
  - Pressure: ±0.4% of full scale over 10 years

- Recommended calibration time: 10 years

Cloud Link 4G Modem

Environmental Conditions

- Ambiant temperature range: -40° to 77°C (-40 to 170°F)

- Ambiant 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

Metrological Approvals

- Measurement Canada (pending)

- MID (pending)

Elster® Rotary Gas Meter RABO® + EC 350

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

Honeywell Process Solutions
1250 West Sam Houston Parkway
SouthHouston, TX 77042

1280 Kemper Meadow Drive Cincinnati,
OH 45240
Phone: +1 (855) 251-7065

www.honeywellprocess.com

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