Romet AdEM®-PTZ Module

Electronic Reliability You Can Count On

Romet Limited is pleased to offer our next generation of direct mount electronic instrumentation with the ability to account for temperature, pressure and supercompressibility. Available for both Romet and Dresser rotary gas meters, the AdEM®-PTZ has a compact, rugged, service-free, tamperproof and weather resistant design with a high level of accuracy and customization. With a nominal battery life of 15 years, the AdEM-PTZ makes an ideal upgrade to any system requiring instrumentation.

Romet RMT Meter with AdEM-PTZ and patented independent mechanical backup index

Romet has developed a single adapter plate that will allow our AdEM-PTZ to be installed on all sizes of the Romet RM 600-56M rotary meters and RMT 600-23M rotary meters. We also have a single adapter plate for Dresser B3 meters ranging from 8C to 56M and LMMA meters ranging from 1.5M-16M.

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Custom AMI-AMR Installation Options

Romet offers a full line of mounting brackets for the installation of an AMI-AMR device of your choice. Our custom solutions can be easily field installed or mounted and programmed at our factory to reduce installation costs and improve reliability.

Specifications

- 15 year Nominal Battery life
- Battery life indicated in months or percentages
- End of Battery Life Warning
- Long Lasting Lithium Battery
- Non-volatile EEPROM Memory with full Audit Trail
- 256 days of hourly readings
- 1024 daily logs
- 102 alarm logs stamped with time and date
- 166 event logs
- Live or fixed temperature and pressure compensation
- Fixed pressure factor customizable
- Total Accuracy of +/-0.3% for reference conditions
- Expands meter rangeability to 200:1
- Standard Ambient Temperature: -40F to +158F (-40C to +70C)
- Four output pulses available:
    - Two isolated volume pulse output channels (corrected and uncorrected)
    - One isolated pulse output for alarm or volume (corrected or uncorrected)
    - Additional isolated corrected pulse output channel for AMR/AMI devices
- Serial communication port- RS232 or RS485
- Hayes compatible modem communication
- Modbus protocol available
- Optional portable keyboard
- Highly sensitive RTD temperature sensor
- Fixed/Configurable Parameters with Multiple levels of security

- Compatible with Itron, Sensus, Aclara, Cellnet and other AMI/AMR Devices
- Convenient one touch push button proving mode
- Quick and efficient proving with a Model 5 prover
- Rugged single scroll button with up to 15 display parameters
- Large, easy to read LCD 8 digits, 14 segment semi alpha-numeric
- UV resistant engineered polycarbonate enclosure
- Electronics sealed in silicon potting material for improved reliability and product life
- Weather resistant
- Adapter plates for Dresser LMMA & B3 meters
- Nominal 20 year Calibration
    – 1 point temperature calibration
    – 3 point pressure calibration

AdEM-PTZ Approvals/Certifications

- Intrinsically Safe Class I Division 1 & 2 Group D
- IECEx Certification of Conformity - 60079 Intrinsic Safety
- CSA Approval 2277666
- Measurement Canada Approval AG-0606 Pending
- ATEX Approval FTZU 08 ATEX Q 004 & FTZU 05 ATEX 0274X
- MID Approval SK 14-QD-SMU017 & SK 13-MI002-SMU005 Pending
- New York State Approval Pending
- Third Party Qualification Testing – Gas Technology Institute
- CE Declaration of Conformity Pending

Contact us today for more details!

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