

Romet AdEM[®]-Tq Module

Real Data. Real Solutions.

Romet Limited is pleased to offer our next generation of direct mount electronics. The AdEM-Tq combines our time tested product design of, one size fits all, temperature compensating, auditable features, with the addition of meter health and performance monitoring.

The AdEM-Tq's patent pending technology enhances meter maintenance programs through the power of on-condition monitoring.



How Does It Work?

The Romet AdEM-Tq regularly measures actual flow rate and calculates a minimum flow rate at which the accuracy of the meter begins to shift. The AdEM-Tq then derives a "Q Margin" value to indicate the performance level of the meter. The Q Margin is trended and recorded over time, providing a projection of future meter performance levels. As the Q Margin reduces and passes a user-defined threshold, a signal is sent to identify that maintenance actions need to be planned.



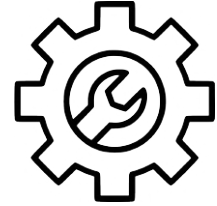
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Measuring energy globally

Prevent A Problem Before It Occurs

The AdEM-Tq allows you to strengthen your maintenance and reliability programs, through the power of on-condition monitoring, to make a shift from preventive maintenance to proactive maintenance.

Maximize your ROI and get more out of your measurement assets by inspecting, fixing or replacing assets only when necessary, and not before.



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
- Up to 256 days of hourly readings
- 1024 daily logs
- 102 alarm logs stamped with time and date
- 166 event logs
- Live or fixed temperature compensation
- Fixed pressure factor (customizable)
- Q-Margin meter health and performance monitoring
- Total accuracy of +/-0.3% nominal (% of reading)
- Expands meter rangeability to 200:1
- Standard ambient and gas 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
- Customizable pulse width and pulse spacing
- Serial communication port- RS232 or RS485
- Analog and cellular modem compatible
- Optional portable keyboard
- Highly sensitive RTD sensor
- Fixed/configurable parameters with multiple levels of security
- Standard with patented AdEM Click technology
- Compatible with Itron, Sensus, Aclara, 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 12 year calibration
 - 3 points temperature calibration

Contact us today for more details!



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Canada 905-624-1591 USA 1-800-387-3201
www.rometlimited.com • romet@rometlimited.com

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