



TECHNOLOG



Metrolog - Flow and Pressure Data Logger

The Metrolog range of data loggers has been developed to provide low cost solutions for the monitoring of pressures and flows within water distribution networks.

- 2 line light-activated backlit LCD
- Internally powered and housed in a robust, fully waterproof enclosure (IP68)
- Battery life > 5 years
- Compatible with Technolog's communication & configuration software for PCs, PDAs and hand held PCs
- Metrolog P data loggers feature an integral pressure transducer

The Metrolog P: flow and pressure data logger utilising internal pressure transducer with a 3 way Mil-Spec flow input.

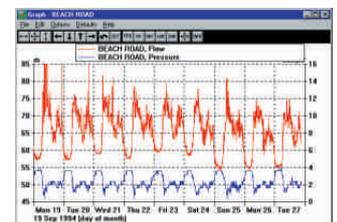
The Metrolog F: single channel flow data logger with no integral pressure sensor. The flow input cable is pre-wired to the unit.

Technical Specifications



- Input** ----- Metrolog P - Absolute pressure only
 Metrolog P - Pressure and flow
 Metrolog F - Uni-directional flow only
- Pressure Input** ----- Input range: 100 or 200 metre head of water as standard - other ranges, consult factory
 Operating temperature range: +1 to 30°C (water)
 Accuracy/Resolution: 0.5% of range
 Pressure Port: 1/8" BSP female thread fitted with male probe
- Flow Input** ----- Channel type: Pulses counted over and recorded at preset intervals
 Max 16,000 pulses 45Hz max frequency per logging interval
- Serial Port** ----- Type: Optically isolated, full duplex, asynchronous
 Data Rate: 1200/9600 baud, V22 for remote communication
- Memory** ----- Type: Solid state. Non-volatile
 Size: 128 Kilobyte, allocatable between channels as required (max 64k/channel)
 Data retention: Life of battery
- Clock** ----- Crystal controlled calendar clock, with leap year adjustment
- Clock Accuracy** ----- 100 seconds per month maximum error over operating temperature range
- Supply** ----- Type: Internally powered by single cell, battery change at factory
 Life: Greater than 5 years or 1 million pressure readings
- Recording** ----- Recording interval: Programmable between 1 second and 1 hour
 Logging method: Time based or threshold logging
 Data storage: Rotating store or store until full
- Environmental** ----- Operating ambient temperature: -20°C to +50°C
 Protection classification: IP68
- Connectors** ----- Serial port, 4 way
 Flow input, 3 way (if fitted), compatible with MIL-C-26482
- Mechanical** ----- Weight: 600 grams

The Comprehensive data analysis is provided by Technolog's Windows-based PMAC software.



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For further information contact:



Technolog Limited
 Ravenstor Road
 Wirksworth
 Matlock
 Derbyshire DE4 4FY
 United Kingdom

Tel: +44 (0)1629 823611
 Fax: +44 (0)1629 824283
 Email: technolog@technolog.com
 Internet: www.technolog.com

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