

Cost effective data logging solution for local monitoring & analysis of pressure or flow within water distribution networks, where maintaining adequate levels of service is essential.

Ideal for temporary and permanent distribution monitoring and determination of zonal flows. Features a configurable, integral LCD display for quick access to network diagnostics. Commissioning and downloading is easily undertaken on site via a PC or handheld device.

Key Features

- Complimented by Technolog's software for graphical presentation of data, calculation of average pressure and summation of incoming and outgoing zonal flows to calculate consumption and leakage
- 2 line light-activated backlit LCD, configurable to show last sampled pressure and flow, as well as logged max and min values for previous days of recording
- Optional integral pressure transducer and digital inputs
- A modem may be added enabling remote access via the public switched telephone network
- Internally powered and housed in a robust, fully waterproof enclosure (IP68)
- Battery life > 5 years





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	Type: Crystal controlled calendar clock, with leap year adjustment Accuracy: 100 seconds per month maximum error over operating temperature range
Supply	Life: Greater than 5 years or 1 million pressure readings – Internally powered by single lithium cell - factory replaceable
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 Ingress protection classification: IP68
Connectors	– Serial port, 4 way – Flow input, 3 way (if fitted), compatible with MIL-C-26482
Mechanical	Dimensions (mm): 165 (l) x 90 (w) x 67 (d) Weight: 0.600 kg

