

Fully configurable, compact, versatile data logger for recording digital signals from instrumentation within a water distribution network or for environmental monitoring.

Provides a cost effective solution for multiple applications from recording rainfall intensity & flow metering through to pump activity. Commissioning & downloading is easy undertaken on site via a PC or handheld device. A modem module may be added enabling remote access via the public switched telephone networks.

Key Features

- Complimented by Technolog's software for graphical presentation of data
- Features up to 3 digital inputs
- Supports multiple recording strategies including: state, event, count, frequency inputs
- Programmable recording intervals
- Housed in a fully waterproof enclosure (IP68 to 2 meters)
- Internally powered > 5 years





Technical Specifications

Input	<p>Number of channels: 1 (3 channel version available) Channel types: Event, state, count, frequency (independently selected on each channel) Input impedance: >300 kΩ Input protection: Protected against reverse connection and over voltage Event input: Switch closure or logic pulse, date and time of event stored, resolution 1 or 10 seconds State input: Switch closure or logic state. On state change, date, time and new state are stored, resolution 1 or 10 seconds Count input: Switch closures or logic pulses (counted over and recorded at pre-set intervals) Frequency input: Switch closures or logic pulses, maximum frequency 16kHz, programmable sampling period of 1 to 250 seconds, independent of recording interval. Resolution 0.01% maximum</p>
Outputs	<ul style="list-style-type: none"> - 1 digital output for transducer power control (0 and 3 volt levels, 100k output impedance) - 1 fixed output for 'open collector' signal bias (3 volts, 33k output impedance)
Serial Port	<p>Type: Optically isolated, full duplex, asynchronous Data rate: 1200/1200 baud transit/receive</p>
Memory	<p>Size: Single channel 64k / Multiple channel 128k Data retention: 5 to 10 years (ie. life of logger)</p>
Clock	<p>Type: Crystal controlled calendar clock with leap year adjustment Accuracy: 100 seconds per month maximum error over operating temperature range</p>
Supply	<p>Life: Typical battery life > 5 to 10 years depending on mode of use - Internally powered by single cell</p>
Recording	<p>Interval: Programmable between 1 second and 1 hour Logging method: Time based or threshold Data storage: Rotating store or store until full</p>
Environmental	<p>Operating ambient temperature: -20°C to +50°C Ingress protection classification: IP68 (submersion at 1m depth for > 24 hours)</p>
Connectors	<p>Input connection: Wire ended or 3-way compatible with MIL-C-26482 Communications port: 4 way serial port compatible with MIL-C-26482</p>
Mechanical	<p>Diameter (mm): 80 (l) x 75 (w) x 55 (d) Weight: 0.460kg Mounting: Two fixing holes in base, tapped M4</p>

