



TECHNOLOG

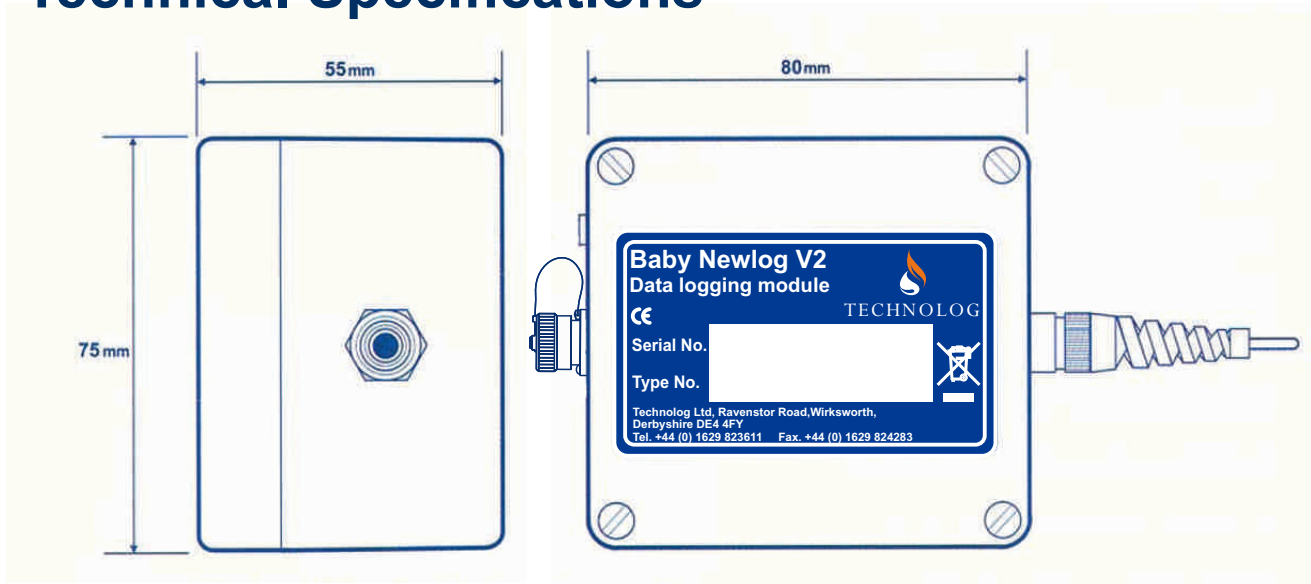


Baby Newlog - Data Logging Module

Baby Newlog is a compact, versatile data logger designed for recording pulse and logic state signals. The unit can be configured for count, event, state and frequency recording and is easily reconfigured to suit many applications.

- Flow and volume recording
- Rainfall recording
- Insertion probe flow metering
- Reservoir overflow and pump state recording
- Low maintenance
- Internally powered for 5 years. Housed in a robust, fully waterproof enclosure
- Compatible with Technolog's communication and configuration software for PCs and PDAs
- Optional PSTN modem

Technical Specifications



Input	<p>Number of channels: 1 (3 channel version available)</p> <p>Channel types: Event, state, count, frequency (independently selected on each channel)</p> <p>Input impedance: > 300 kΩ</p> <p>Input protection: Protected against reverse connection and over voltage</p> <p>Event input: Switch closure or logic pulse, date and time of event stored, resolution 1 or 10 seconds</p> <p>State input: Switch closure or logic state. On state change, date, time and new state are stored, resolution 1 or 10 seconds</p> <p>Count input: Switch closures or logic pulses (counted over and recorded at preset intervals)</p> <p>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>
Output	<p>1 digital output for transducer power control (0 and 3 volt levels, 100k output impedance)</p> <p>1 fixed output for 'open collector' signal bias (3 volts, 33k output impedance)</p>
Serial port	<p>Type: Optically isolated, full duplex, asynchronous</p> <p>Data rate: 1200/1200 baud transit/receive</p>
Memory	<p>Size: Single channel 64k / Multiple channel 128k</p> <p>Data retention: 5 to 10 years (ie. life of logger)</p>
Clock	<p>Type: Crystal controlled calendar clock, with leap year adjustment</p> <p>Accuracy: 100 seconds per month maximum error over operating temperature range</p>
Supply	<p>Type: Internally powered by single cell</p> <p>Life: Typical battery life 5 to 10 years depending on mode of use</p>
Recording	<p>Recording interval: Programmable between 1 second and 1 hour</p> <p>Logging method: Time based or threshold</p> <p>Data storage: Rotating store or store until full</p>
Environmental	<p>Operating temperature: -20°C to +50°C</p> <p>Protection classification: IP68 submersible to 2 metres for unspecified period</p>
Connectors	<p>Input connection: Wire ended or 3-way compatible with MIL-C-26482</p> <p>Communications port: 4 way serial port compatible with MIL-C-26482</p>
Dimensions	<p>Weight 460 grams</p> <p>Mounting: Two fixing holes in base, tapped M4</p>

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