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# Multilog 2

## LTE-M enabled Multi-Channel Data Logger

Frequency	Variable logger sample rate from 1s to 24hrs (this may affect battery life and communication costs)
Logger/Site ID	7 alphanumeric characters. Readable factory set serial number in firmware
Dimensions	257H x 129W x 77D (mm) 10.1" x 5" x 3"
Construction	Die-cast aluminum enclosure, powder-coat spray painted
Weight	1.6kg (3.5lb)
Operating Temp.	-20 to +60°C (-5 to +140°F)
Ingress Protection	IP68 submersible
Power	Typical 5 years (depending on settings and signal condition). External power connection for battery box and third party devices.
Memory	Standard recording: 2 million readings (optional up to 64 million readings and expandable HC SD card)
Fast Logging (secondary channel)	Secondary, fast channel supports sampling up to 25 Hz and record average, minimum, maximum, standard deviation or time interval between pulses (for data smoothing)
Pulse Interval Timing	Count and Event logging modes independent for both channels. Pulse Interval Timing helps to smooth readings (e.g. leakage) in low flows by counting the time between each pulse (event mode). This is available in addition to totaling the pulses (count mode)
Alarms	Multiple alarm options including Rate of Change, Profile, Minimum Night Flow and Threshold. 16 alarms per logger. Can be programmed to auto dial up to 8 telephone numbers on alarm. Over 16 alarms per logger depending on channel configuration



### Key Features and Benefits

- **Serial Input Options:** This device can connect to digital meters and supports 4-20mA, Modbus, SDI-12, and interfaces for Badger, Sensus, and Neptune serial meters with encoded outputs.
- **Fast Logging:** The standard logging interval is set to 1 second, capable of recording at 25 Hz for transient events.
- **Alarm Functionality:** Comprehensive alarm features are included.
- **Pulse Interval Timing:** This function smooths out the reading of infrequent pulses.
- **Fully Waterproof:** The device is rated IP68 and has been tested to perform at a depth of 32 feet in 24 hours.

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