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# Multilog LX2

## Versatile 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	H = 110mm, W = 150mm, D = 105mm (4.3" x 5.9" x 4.1")
Construction	PC/ABS plastic enclosure
Weight	590g (1.3lb)
Operation 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	Primary recording: 1 million readings (non-volatile memory)
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 recordings. 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 totalling 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

- **Versatile logging:** It can handle digital flow input and one analog input (for internal or external pressure).
- **Cellular communication:** It uses LTE technology and can switch to 2G if needed.
- **Flexible settings:** It can log up to 25 times per second and offers window logging upon request.
- **Quick logging:** It logs data every second as a standard feature.
- **Multiple recordings:** It can capture a mix of minimum, maximum, average, or specific values during each sample interval.

