HWM Global
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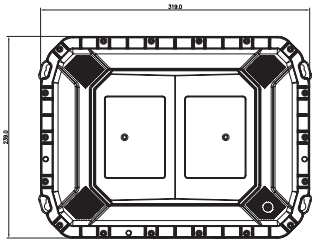
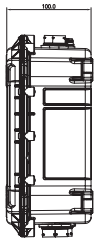
Multilog 2 WW

Non-ATEX Multi-Input Data Logging & Telemetry Platform

Sample Frequency	Variable logger sample rate from 1s to 24hrs (this may affect battery life and communication costs)
Dimensions	239H x 319W x 100D (mm) - 9.4" x 12.6" x 3.9"
Construction	PC/ABS plastic enclosure
Weight	Maximum - 3.8kg (8.4lb)
Operating Temp.	-20 to +60°C (-5 to +140°F)
Ingress Protection	IP68 submersible
Power	Internal Battery: 7.2V - External Battery: 7.2V 15V
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)
State Event Recording	Count and Event logging modes independent for both channels. In low flows this is available for precise recording of events like float trigger or rain gauge
Alarms	Multiple alarm options including Rate of Change, Profile, Minimum Night Flow and Threshold. Over 16 alarms per logger depending on channel configuration. Can be programmed to auto dial up to 8 telephone numbers on alarm. Multiple alarm destinations can be set in DataGate.





Input Options

Serial	HWM Global SonicSens 3 ultrasonic level sensor and Leak Noise Sensor (LNS). Third party sensors using Modbus or SDI12 communication protocol.
Analogue	Internal pressure transducer. 0-20 bar / 0-200 meters head / 0-300psig, 0.1% repeatability / please note that the logger is calibrated to 10 bar as standard. (20 bar calibration must be specified at time of order if required) External pressure transducer (contact HMW Global for more details) Voltage (0-1V or 0-10V) Passive or active 4-20mA Temperature
Digital	Uni- or bi-directional pulse Up to 64 pulses per second

Communication

Local	Hi-speed USB for connection to hand held devices, Windows tablets, laptop or desktop PC
Analogue	Cellular modem supporting 2G/3G/NBIoT/LTE-M (Cat-M1) with SMS backup where available - contact HWM Global for available options. 2G/3G/4G NBIoT can send data down to every 15 mins, with appropriate battery pack
Accelerated dial-in	Dial-in rate is increased if alarm situation is triggered. Logger can accelerate dial-in at alarm level for multiple applications - including SonicSens 3, Flow, Pressure and other alarmed sensors.

Key Features and Benefits

Telemetry: NBIoT/LTE-based cellular communication standard with fallback 2G capability

Serial and analogue input option: for connection to SonicSens 3 ultrasonic level sensor, internal or external pressure transducers, active/passive 4-20mA, voltage, digital pulses, Modbus, SDI12

4 sensor connections: up to 8 channels

Statistical logging: max, min, average and standard dev recording available

Long-term monitoring: 5 year battery life

External battery option: external battery input to support accelerated dial-in or powering of third-party sensors

ISO 9001 QUALITY MANAGEMENT
ISO 14001 ENVIRONMENTAL MANAGEMENT
ISO 27001 INFORMATION SECURITY MANAGEMENT
ISO 45001 HEALTH & SAFETY MANAGEMENT

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