

COMLOG 2 | Versatile Data Logger

COMlog 2 is the highly versatile data logger designed to be a cost-effective, multi-application data logging solution.

Developed for flexibility, COMlog is compatible with any sensor or meter that has a volt-free pulsed output.

Particularly effective for smart metering, COMlog 2 provides businesses with an efficient way of managing water and energy consumption and reducing costs.

Key Features and Benefits

- **Multi-application:** Compatible with a wide range of meters and sensors
- **Easy software integration:** Designed for easy integration into third party software applications via Datagate API
- **Telemetry:** NB-IoT LTE-based cellular communication standard with fallback 2G capability
- **Excellent value:** Reliable and cost-effective
- **Accessible data:** Near real-time data at low cost
- **Flexible alarm modes:** High Flow, Low Flow and Profile Alarms
- **Online data viewing:** Via HWM Online - the multi-utility data monitoring system
- **Long term monitoring:** Typical 5 year battery life
- **External antennas:** Support improved signal strength - (contact for more information)
- **Wireless programming:** Units can be upgraded and programmed without the cost of a site visit
- **Responsive:** Accelerated dial in on alarm



Application

COMlog 2 is compatible with any meter that has a volt-free pulsed output and uses accumulative pulse counting technology to calculate index readings against a known volume.

COMlog transmits data through an integral modem with **GPRS/2G, 4G, LTE-M (Cat-1) and other NB-IoT options available.**

The replaceable internal batteries will typically power the device for over five years when **data is transmitted every eight hours.**

COMlog 2 is also supplied with an external antenna connection that enables the use of a range of specialist antennas to address the most extreme low signal level locations.

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Technical Specifications:

Logger Features	
Memory	Primary recording: 2 million readings Variable sample rate 1 sec to 24 hrs (please note that this may affect battery life and communications cost).
Alarms	Lower/Upper limit, Min Night Flow, Rate of Change, Channel Difference, In/Out of Band alarm types. 6 programmable conditions sets available, sending SMS alarm message to a mobile phone
logger ID	7 alphanumeric characters. Readable factory set serial number in firmware
Internal Cellular Modem	Cellular modem supporting 2G/3G/NBIoT/LTE-M (Cat-1) with SMS backup where available - contact HWM for available options
Dimensions (HXWXD)	84x114.5x113.3 mm
Construction	Tough ABS plastic enclosure (blue)
Weight	570g
Operating Temp.	-20° to 60° C
Ingress Protection	IP68 submersible
Power	Lithium Thionyl-Chloride cell operational for 5 years under standard operating conditions, complete with low battery alarm
Sensor Input Options	
Digital	One or two bi-directional pulse input Reed switch contact closure type or other pulse input Up to 64 pulses per second Available with Modbus input

