

COMlog 2 IS

Intrinsically Safe Data Logger

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

Developed for flexibility, COMlog 2 IS is compatible with any sensor or meter that has a volt-free pulsed output.

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

Key Features and Benefits

- **Intrinsically safe:** certified for use in Zone 0 hazardous areas: Intertek ITS19ATEX205070X & IECEx ITS 19.0030X Ex ia IIC T4 Ga (-20°C ≤ Ta ≤ +60°C)
- **IGEM/GM/7A:** conforms to requirements set out in IGEM/GM/7A
- **Telemetry:** NBloT LTE-based cellular communication standard with fallback 2G capability
- **Replicated outputs:** offered as standard to maintain pulse chain
- **Effortless deployment:** simple to install; can be configured wirelessly
- **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
- **Accessible data:** near real-time data at low cost
- **Flexible alarm modes:** 24 hour consumption alarms, High Flow, Low Flow and tamper alarms
- **Online data viewing:** via HWM Online - the utility data monitoring system
- **Low maintenance monitoring:** typical 5+ year battery life
- **External antennas:** supports improved signal strength (contact HWM for more information)
- **Responsive:** accelerated dial in on alarm



Applications

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

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

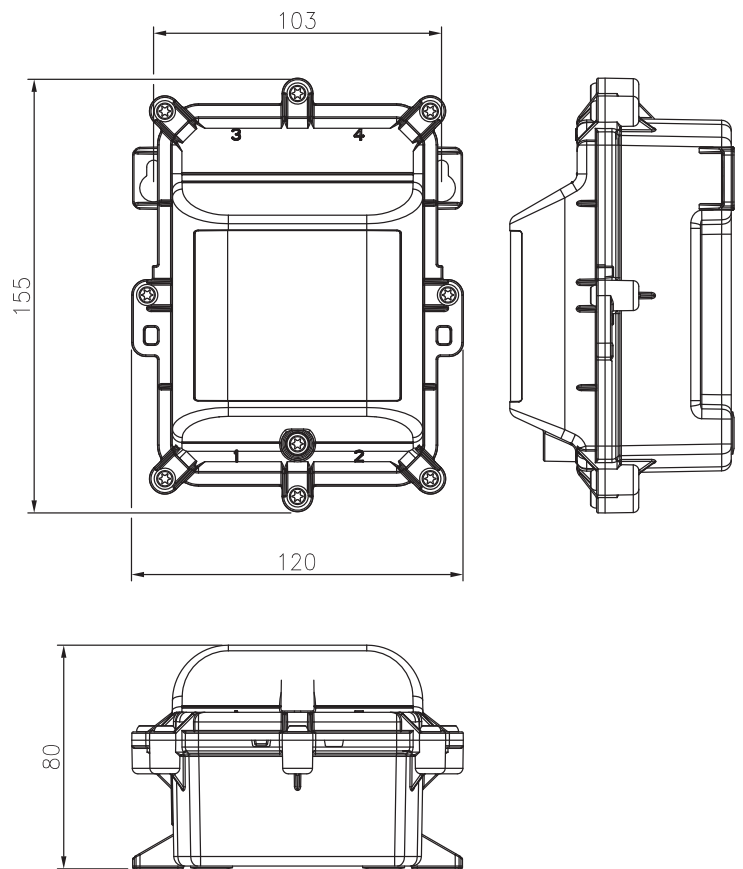
COMlog 2 IS is also supplied with an external antenna connection that enables the use of a range of specialist antennas to address the most extreme low signal level locations.

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Logger Features

Rating	ATEX/IEC Certified to Zone 0
Memory	Primary recording 1 million readings (larger sizes available on request)
Analogue	Variable sample rates from 1s to 24hrs
Alarms	Multiple Lower/Upper limit, Min Flow, Consumption, Tamper, Rate of Change, Channel Difference, In/Out of Band alarm types
Internal Cellular Modem	Cellular modem supporting 2G/3G/NB-IoT/LTE-M (Cat-1) with SMS backup where available - contact HWM for available options
Accelerated Dial-in	Dial-in rate is increased if alarm situation is triggered. Logger can accelerate dial-in at alarm level for multiple applications
External Antenna	FME
Construction	PC/ABS plastic enclosure
Dimensions	H = 153mm, W = 120mm, D = 80mm (6.0" x 4.7" x 3.1")
Weight	1kg (2.2lb)
Operating Temp.	-20 to +60°C (-5 to +140°F)
Ingress Protection	IP68
Power	User-replaceable Lithium Thionyl-Chloride battery pack operational for 5 years under standard operating conditions



Sensor Input

Digital	Up to 2 configurable pulse/status inputs Contact closure type or other pulse input Up to 128 pulses per second
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Control Output Ports

Digital	2 independent configurable outputs, e.g. pulse replication
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MONITORING ASSETS, DELIVERING DATA, BRINGING CONTROL