COMlog IS
Data Logger

COMlog IS provides businesses, asset managers and services providers with a cost-effective way to manage energy consumption, reduce energy costs and cut carbon emissions.

With more than one hundred thousand data loggers in operation worldwide, HWM is a market leader in the design, manufacture and supply of GSM/GPRS data logging solutions for smart metering in water, energy and gas.

Key Features and Benefits

- **Excellent value:** Highly cost effective and reliable
- **Accessible data:** Near real time data at low cost
- **Flexible alarm modes:** High Flow, Low Flow and Profile Alarms
- **Easy software integration:** Designed for easy Integration into 3rd party software applications via Data gate API
- **Online data viewing:** HWM Online web viewing package
- **Long term monitoring:** Typical 5 year battery life
- **Multiple Outputs:** 2 Digital Inputs
- **Reliable, flexible communications:** Range of specialist external antennas available
- **Over the air upgrade/programming:** Ensuring future compatibility without the cost of a site visit
- **Intrinsically Safe:** Certified Intrinsically Safe to ATEX

Applications

HWM's COMlog IS product is designed specifically to be mounted in close proximity to either a commercial or domestic gas meter, but can also be used on any other utility meter that has a pulsed output. COMlog IS uses accumulative pulse counting technology to calculate index readings against a known volume.

This innovative logger uses the latest integral GPRS technology to provide rapid data transmission at low cost. Low power electronics enable a long battery life, that can be maintained even with increased transmission rates.
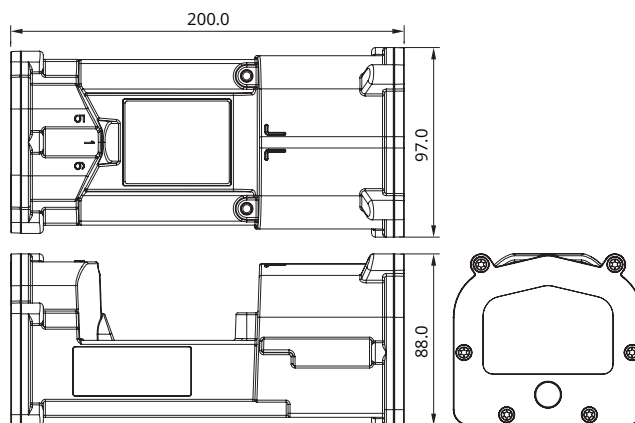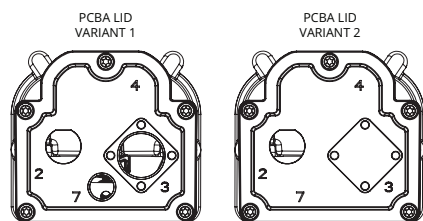
The robust system is supplied with many features that are unique in the market these include: Fast logging for high- level consumption analysis, a range of comprehensive alarms, the ability to upgrade and programme over-the-air without the cost of onsite visit and is fully sealed & submersible to IP68.

MONITORING ASSETS, DELIVERING DATA, BRINGING CONTROL

COMlog IS
Data Logger

PCBA LID VARIANT 1

PCBA LID VARIANT 2

200.0

97.0

88.0

Logger Features

Rating	ATEX/IEC certified to Zone 0
Memory	Primary recording 2 million readings (larger sizes available on request) Future proof in field local and remote upgradable software
Analogue	Variable sample rate 5s to 24hrs
Alarms Logger ID	Multiple Lower/Upper Limit, Min Flow, Rate Of Change, Channel Difference, In/Out of Band alarm types.
Clock	On board 24 hour synchronized real time clock with date facility
Secondary channel	Can be programmed to record either fast data, average minimum, average maximum or time interval between pulses (for data smoothing)
Internal Cellular modem	GPRS to HWM DataGate or customer specific FTP server, multiple messages per day User replaceable SIM card. Quad band modem supplying 850/900/1800/1900MHz bands (3G option). GPRS can send data down to every 5 mins (*please note this may affect battery life)
Dimensions (mm)	Tough ABS plastic enclosure 200H x 97W x 88D
Weight	1kg
Operating Temp	-20°C to +60°C (-5°F to +140°F)
Ingress Protection	IP68
Power	User Replaceable Lithium Thionyl-Chloride battery pack operational for 5 years + under standard operating conditions

Communication

Internal Cellular modem	GPRS to HWM DataGate or customer specific server. SMS Back Up* SMS to HWM DataGate or customer modem. Multiple messages per day. Quad band modem suitable for 850/900/1800/1900MHz bands
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, Flow, Pressure, and other alarmed sensors.

Sensor Input

Digital	Up to 4 user configurable pulse/status inputs
	Contact closure type or other pulse input
	Up to 128 pulses per second

Control output ports

Digital	2 independent configurable outputs.

HWM

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