



Smart Metering COMLog

Overview

COMLog provides businesses, asset managers and service 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 and energy.

Application

COMLog 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.

The innovative logger uses the latest integral GPRS technology to provide rapid data transmission at low cost. Low power electronics enable the long battery life to be maintained even with increased transmission rates. The replaceable internal batteries will typically power the device for over five years when data is transmitted every 8 hours. Alternatively, external battery packs enable the five year life to be maintained when transmitting data every 15 minutes.

COMLog 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.

The robust system is supplied with many features that are unique in the market, which provide real benefit to our customers. These include: Fast logging (to 1 second) for high-level consumption analysis, a range of comprehensive alarms, automatic default to SMS transmission if GPRS coverage fails and ability to upgrade and programme over-the-air ensuring future compatibility without the cost of a site visit.

With its tough PC ABS plastic moulded case, the logger is fully sealed & submersible to IP68.

Viewing Data

COMLog is designed to be easily integrated into 3rd party software packages either directly via GPRS to a customer data server, or via API through HWM's DataGate data transfer and fleet management portal.



KEY BENEFITS:

- Cost Effective and Reliable.
- Near Real-Time Data at Low Cost.
- High Flow, Low Flow and Profile Alarms.
- Designed for Easy Integration into 3rd Party Software Applications via Datagate API.
- HWM Online Web Available.
- Typical 5 year Battery Life.
- 2 Flow Inputs (Digital)
- Range of Specialist External Antennas Available.
- Over-the-air Upgrade, Ensuring Future Compatibility Without the Cost of a Site Visit.
- Over-the-air Programming, Including Alarms, Saves Site Visits.
- Accelerated Dial in on Alarm.

• FLOW MEASUREMENT • DATA LOGGING • LEAK DETECTION • PRESSURE CONTROL • ENVIRONMENTAL MONITORING • AMR • ENERGY MANAGEMENT

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Sensor Input Options	Flow/Digital	One or two Bi-Directional Pulse Input
		Reed Switch Contact Closure Type or other Pulse Input
		64 Pulses per second – Configurable to 128
Logger Features	Memory	Primary Recording 2 million Readings
		Variable Sample Rate 1 sec to 24hrs (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	Up to 7 alphanumeric characters. Also readable factory set serial number in firmware
	Clock	On-Board 24 hour Real Time Clock with Date Facility
Internal Cellular modem		GPRS to HWM DataGate or customer specific data server, multiple messages per day
		Quad Band Modem Supplying 850/900/1800/1900MHz Bands
		5mins, with appropriate optional battery pack. Call-in Frequency Configurable.
Dimensions	Dimensions	85mm x 115mm x 114mm
	Construction	Tough PC ABS Plastic Enclosure
	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
<p><i>* Typical battery life expectancy is based upon achieving network registration regularly and with ease. If GPRS-enabled network registration is unachievable, the logger will convert to SMS-only operation after 24 hours and will attempt to re-establish GPRS communication when possible. A signal strength test should be performed during installation.</i></p>		

Order Codes	
RDL962/88/G	COMLog GPRS Data Logger Dual Channel Uni-Directional Flow
RDL962/10/G	COMLog GPRS Data Logger Single Channel Bi-Directional Flow

Order Codes - Optional Extras	
CABA8585	USB Programming Cable

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HWM reserves the right to change any product specification without prior notice

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