

ENVIRONMENTAL MONITORING
PRESSURE CONTROL
LEAK DETECTION
DATA LOGGING
FLOW MEASUREMENT



KEY BENEFITS

- Integral PSTN, SMS, GSM Telemetry
- External antenna for optimum signal
- 5 year battery life with Power Windows
- For PD100 & HRP high power sensors
- Bi-directional flow uses a single channel
- Memory 48,720 readings
- Local data download via 10 Pin Military plug into Laptop, PC or PDA
- Rugged die cast aluminum case
- Fully sealed & submersible, IP68.

MultiLog is the most comprehensive, advanced and flexible data logger yet. It can be supplied with up to four inputs for monitoring any combination of digital or analogue signals.

Cellular telemetry versions are available with additional battery capacity, to provide two, four or ten hour/day "power windows" for loggers to receive calls from office PC/server or mobile phone.

MultiLog is completely water proof, fully battery powered and will require no maintenance for at least five years.

Typical Applications

District and Zone Monitoring

MultiLogTM is ideal for monitoring flow, pressure and or water quality parameters to assess demand, leakage and conformance.

Network Analysis Investigations

MultiLogTM can perform dynamic flow & pressure analysis of network models together with the facility to investigate unusual events with "fast sampling".

Key Account Customers

MultiLogTM confirms levels of service and enables data to be provided to key customers, including real time telemetry links.



HYDREKA
www.hydreka.fr



AUTHORISED
USER NO. 00777



Halma Water Management

Call +44 (0) 1633 489479
or visit www.hwm-water.com

Company is ISO 9001 Registered No.06134A

A HALMA COMPANY

Sensor Input	Digital	Uni- or bi-directional pulse. Instrument powered or non-powered sensors eg PD100.
		Up to 64 pulses per second.
	Analogue	Internal Pressure Transducer
		0-20 bar / 0-200 metres head / 0-300 psig, repeatability $\pm 0.1\%$.
		External Pressure Transducer (volt) or Transmitter (mA)
		0-20 bar / 0-200 metres head / 0-300 psig, repeatability $\pm 0.1\%$
		4-20mA from isolated sensor
0-1v, 1-5v, or 0-100mVolt		
Logging Features	Memory	Primary recording 48,720 readings. (memory expandable to 245,280 readings on request)
		Can be programmed to read continuously (cyclic mode) or for a specific period of time (block).
		Secondary recording 6,144 readings.
	Frequency	Sample Period - in 1 seconds increments, up to 24 hours settings independent for primary and secondary channel.
	Alarms	Minimum or maximum duration-triggered threshold alarm per channel. 16 Alarms per logger. Each alarm out comment field 16 characters. Can be programmed to auto dial up to 16 telephone numbers on alarm with telemetry option (ie 1 per alarm)
	Logger ID	Up to 8 alphanumeric characters – can be programmed with GIS number. Also readable factory set serial number in firmware
	Site ID	Up to 127 alphanumeric characters.
	Clock	On board 24 hour 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).
Logging Modes.	Count and Event logging modes independent for both recordings	
Communication	Serial	RS232 by MIL connector for connection to Rad Link hand held programming and data collection unit, laptop PC, desktop PC or Rad Net GSM telemetry unit. Programmable upto 19,200 Baud.
	Internal PSTN modem (option)	2,400 Baud Optional PSTN land line internal modem
	Internal Cellular	9,600 Baud 2-way SMS/GSM Dual band 900/1800MHz
	modem (option)	(USA 1900MHz and 850MHz bands available)
Physical	Dimensions	195H x 120W x 70D mm (7.7"H x 4.7"W x 2.8"D)
		250H x 175W x 90H mm (9.9"H x 6.9"W x 3.6"D) for larger Power Windows
	Construction	Die-cast aluminium enclosure, powdercoat spray painted
	Weight	1.6 Kg (3.5 lb) [4.5 Kg (9.9 lb) Multi Log GSM 4hr]
	Operating Temp	-20 to +70°C (-5 to +160°F)
	Ingress protection	IP68 submersible
Power	Lithium-ion cell operational for 5 years under normal operating conditions. Warranted for continuous operation of up to five years. Low battery alarm in data packet when downloaded	

HWM reserve the right to change the specification of any product without prior notice.