



## KEY BENEFITS

- 2 inputs compressed into 1 daily SMS (with Fixed 15 minute sample rate).
- GPRS option for sending data via email.
- Internal antenna for compact design
- External antenna option for greater signal
- 5 year battery life
- For "reed switch type" sensors
- Bi-directional digital flow input
- Memory 48,720 readings
- Local data download, via Infra-Red interface into Laptop, PC or PDA
- Tough ABS plastic moulded case
- Fully sealed & submersible, IP68

MultiLog LX is Halma Water Management's mid range data logger. It has one or two digital flow input capabilities and an internal pressure sensor option.

One 4 pin military input connector is factory configured for either one bidirectional digital flow input, or two single direction digital flow inputs for monitoring flow in pipes.

Advanced SMS data compression techniques enable one daily SMS to download data from two channels of 15 minute sample rate recordings.

SMS telemetry can successfully operate in poor signal strength locations where more advanced "GSM data" communications may be difficult.

## Typical Applications

### District and Zone Monitoring

MultiLog LXTM is ideal for monitoring flow and/or pressure to assess demand, leakage and conformance.

### Atlas Box compatible

MultiLog LXTM is designed to fit inside very shallow Atlas box installation, either secured near top with flange, or allowed further down by rotating the body.

### Key Account Customers

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



Halma Water Management



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Sensor Input Options	Digital	One bi-directional pulse input for Flow
		Reed switch contact closure type or other non powered sensors incl Kent LRP, PD10 with ext battery box, Aquamag/Magmaster.
		(Option) Two single-directional pulse inputs for Flow logging, via a single 4 pin mil connector.
		Up to 64 pulses per second.
Analogue	(Option) Internal Pressure Transducer	
	0-20 bar / 0-200 metres head / 0-300 psig, repeatability $\pm 0.1\%$ .	
Logging Features	Memory	Primary recording 48,720 readings.
		Can be programmed to read continuously (cyclic mode) or for a specific period of time (block).
	Frequency	Fixed 15 minute sample rate as standard (1 SMS/day per 2 ch),
		(Option) Variable sample rate 1 to 59 mins, then 1 to 24hrs.
	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 4 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.
Count and Event Logging Modes.	Count and Event logging modes independent for both recordings (Event logging only applicable to "GSM data" telemetry version).	
Communication	Serial	RS232 by Infra-Red reading head for connection to PDA hand held programming and data collection unit, laptop, or desktop PC 9,600 Baud.
	Internal Cellular modem (option)	2-way SMS Dual band 900/1800MHz Standard
		(Option) Quad band for USA incl 1900MHz and 850MHz bands
		GPRS option (1 email/day) Auto processed from Office outlook inbox
	GPRS can send email data down to every 5 mins, with reduced battery life	
Physical	Dimensions	105H (125H with int pressure sensor) x 115W x 105D mm.
	Construction	Tough ABS plastic enclosure (colour Blue).
	Weight	590 grams (1.3lb)
	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, complete with low battery alarm
<i>HWM reserve the right to change the specification of any product without prior notice.</i>		