



Multi Log LX™

INTRODUCTION

MultiLogLX™ is the mid range data logger having One or two digital flow input capabilities, with a internal pressure sensor option. One 4 pin military input connector is factory configured for either: 1 Bi-directional digital flow input, or 2 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.

- ✓ 2 inputs compressed into 1 daily SMS (with Fixed 15 minute sample rate)
- ✓ GPRS option, sends its data by 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

Radcom data

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TYPICAL APPLICATIONS

District and Zone Monitoring

MultiLogLX™ is ideal for monitoring Flow &/or Pressure to assess demand, leakage and conformance

Atlas Box compatible

MultiLogLX™ 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

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

ADVANCED DESIGN

- ✓ Up to 3 input channels
- ✓ 1 or 2 Digital flow inputs
- ✓ Internal pressure sensor (Option)

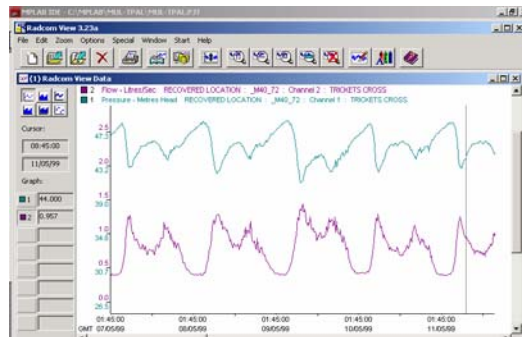
MultiLogLX™ is Setup using a laptop or PDA with communications via an Infra-Red reading head. This interface lead is also commonly used with LoLog and LoLogLL data loggers.

MultiLogLX™ is designed for use in two standard forms: Digital only (ie 1 or 2 digital flow channels via a single 4 pin Mil connector), or with Analogue circuits, to enable an internal pressure sensor.

MultiLogLX™ is available with an internal cellular antenna for a compact design, or can be supplied with external antenna option to improve signal strength in difficult reception locations.

For special applications where additional features are required, refer to Radcom's Multilog data logger, defined on a separated data sheet.

All of Radcom's data loggers and controllers are compatible with **RadLog for Windows™**, the industry-standard for data trending, reporting, analysis and archiving.



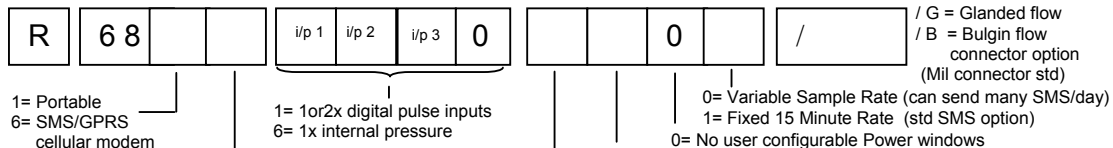
Typical RadWin display showing recording of a data logger



Multi Log LX™

TECHNICAL DATA

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 ±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 & Event Logging Modes	Count and Event logging modes independent for both recordings (Event logging only applicable to “GSM data” telemetry version)
Communications	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 temperature	-20 to +70°C (-5 to +160°F)
	Ingress protection	IP68 submersible
	Power	Lithium-ion cell life 5 years under normal operating conditions, complete with Low battery alarm.



Typical logger variants:

R 6861 1000 1101	1x Bi-directional Digital Flow input,	} Dual Band SMS logger, with Fixed 15 minute Sample rate, and No user configurable Power windows and External cellular antenna
R 6862 1100 1101	2x Uni-directional Digital Flow inputs, via single plug	
R 6862 6100 1101	Internal pressure & 1x Bi-directional Digital Flow input	} GPRS Email telemetry versions
R 6863 6110 1101	Internal pressure & 2x Uni-directional Digital Flow inputs	
R 6862 6100 1601	Internal pressure & 1x Bi-directional Digital Flow input	} GPRS Email telemetry versions
R 6863 6110 1601	Internal pressure & 2x Uni-directional Digital Flow inputs	

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Due to our policy of continuous product development Radcom reserves the right to change specifications without notice.

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