MultiLog™

INTRODUCTION

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

Each input has a primary recording channel and secondary "fast sampling" channel and can be supplied in portable mode or with a telemetry link.

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

A telemetry link can be provided either by telephone line using an internal Standard Telephone Line modem or by using the cellular communications network with an internal GSM modem.

Alternatively, portable MultiLog units can be upgraded in the field to cellular communications with the addition of RadNet GSM.

TYPICAL APPLICATIONS

District and Zone Monitoring
MultiLog is ideal for monitoring flow, pressure and or water quality parameters to assess demand, leakage and conformance

PRV Monitoring Systems
Multilog is ideal for monitoring upstream and downstream pressure

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

Key Account Customers
MultiLog confirms levels of service and enables extra data to be provided to key customers, even in real time using telemetry links.

ADVANCED DESIGN

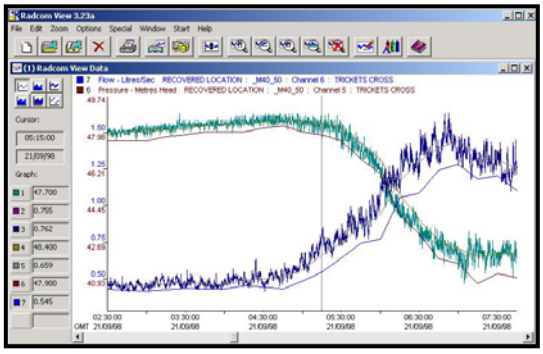
MultiLog can be supplied with up to four inputs of any type. Each input is logged in two channels; a primary channel and a secondary channel. Both channels can be programmed independently.

This enables, for example, the primary channel to be used for normal recording and reporting purposes while the secondary channel is used diagnostic purposes.

When monitoring pressure, the secondary channel can record transients that would be missed using conventional recording methods.

Alternatively, the secondary channel can be used to measure the time interval between flow meter pulses. This enables flow data to be interpolated to fixed time intervals and therefore 'smoothed' for analysis.

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

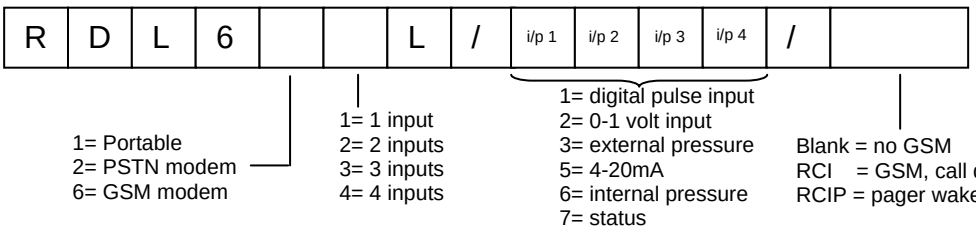


Typical RadLog display showing primary and secondary channels from a MultiLog

Multilog™ TECHNICAL SPECIFICATION

Sensor Input Options	**Digital**	Uni- or bi-directional pulse. Instrument powered or non-powered sensors e.g. PD100.
		Up to 128 pulses per second.
	Analogue	Internal Pressure Transducer 0-20 bar / 0-200 metres head / 0-300 psig, accuracy ±0.25%
		External Pressure Transducer (volt) or Transmitter (mA) 0-20 bar / 0-200 metres head / 0-300 psig, accuracy ±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	1 – 59 seconds, 1 – 59 minutes, 1 – 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 (i.e. 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).
	Count & Event Logging Modes	Count and Event logging modes independent for both recordings
Communications	**Serial**	RS232 by MIL connector for connection to RadLink hand held programming and data collection unit, laptop PC, desktop PC or RadNet GSM telemetry unit. Programmable up to 19,200 Baud.
	Internal modem (optional)	2,400 Baud Optional Standard Telephone Line internal modem
	External GSM Modem (optional)	9,600 Baud 2-way GSM Cellular modem. (Optional Pager) *See RadNetGSM or MultiLogGSM data sheet for more information*
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) MultiLog GSM
	Construction	Die-cast aluminum enclosure, powder coat spray painted
	Weight	1.6 Kg (3.5 lb) [4.5 Kg (9.9 lb) MultiLog GSM]
	Operating temperature	-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.

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



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