Lo Log™

INTRODUCTION

Lo Log is highly flexible yet simple and economical. Designed for portable use, it can be applied to virtually any data logging application in minutes.

Once installed, Lo Log can operate unattended until you need the data. It is ideal for harsh applications.

Lo Log is completely water proof, submersible and battery powered. Lo Log requires no maintenance in service.

The on board battery will last for around 8 years in normal use.

Lo Log can be connected to a wide range of instrumentation. Using a digital input, Lo Log can monitor flow meter pulses whether they are electronic or a basic reed switch.

TYPICAL APPLICATIONS

Customer Metering Diagnostics
Lo Log can be quickly applied when it is necessary to carry out an urgent investigation. Programmed in minutes, Lo Log can be attached to any pulse output meter and will immediately start logging.

Demand Management Assessments
Lo Log is widely used to help planners assess demand in residential areas. Lo Log is small and light and fits easily in boundary boxes.

District Metering
Lo Log is highly economical and is well suited to connection to district metering where telemetry is not desirable or appropriate.

ADVANCED DESIGN

Lo Log is fully compatible with the acclaimed **Rad Log for Windows™** software.

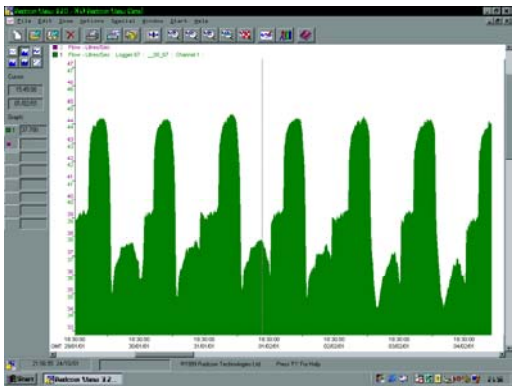
Rad Log is the industry standard package for data trending, reporting, analysis and archiving.

Rad Log can be used to programme all of the features of Lo Log. Once set up, Lo Log can be left unattended.

Data can be downloaded into a Psion Workabout™, laptop/notebook or directly into a desktop PC.

Once downloaded, the full power of Rad Log can be used to analyse and manipulate data. If required, Rad Log can 'stitch' data together to produce a contiguous archive of information from a single Lo Log.

Rad Log can perform functions on data such as summation and subtraction and will store the product as a separate data file.



Typical Rad Log display showing Lo Log data from a district meter.

data data data

Lo Log™

TECHNICAL DATA

Sensor Input Options	Digital	Uni- or bi-directional pulse. Reed switch contact closure type or other non powered sensors including Kent LRP & PU10 pulse heads, Aquamag/Magmaster
		Up to 64 pulses per second.
Logging Features	Memory	Recording 16,000 readings in continuous (cyclic) operation
	Frequency	1,5,10,15,30 seconds and 1,5,10,15,30,60 minutes.
	Logger ID	Up to 4 numeric characters (8 alphanumeric compressed)
	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, with bi-directional capability
	Calibration	Totaliser calibration – tenths of litre per pulse
Communications	Serial	RS232 by Infra-red port for connection to Psion Workabout hand held programming and data collection unit, laptop PC, or desktop PC upto 9,600 Baud.
Physical	Dimensions	110H x 65W x 35D mm (4.3"H x 2.6"W x 1.4"D)
	Construction	Die-cast aluminium enclosure, powdercoat spray painted
	Weight	0.4 Kg (0.8 lb)
	Operating temperature	-20 to +70°C (-5 to +160°F)
	Ingress protection	IP68 submersible
	Power	Lithium-ion cell operational for 8 years under normal operating conditions. Warranted for continuous operation of up to five years. Data recoverable at factory with Low battery condition

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4= Digital i/p military connector
8= Hall effect input

1= std Firmware
2= compressed + glanded cable
3= compressed + military connector
4= compressed + hall effect sensor

DIRECT CONNECTION TO ABB WATER METERS

Lo Log can be supplied in a format enabling it to be connected directly to an ABB Water Meters Ltd register models KVM™, MSM™, V210™ or V200™.

A hall-effect sensor is mounted directly into the body of the Lo Log REV418 unit, which clamps onto the register using a special adaptor.

For more information on this option, please contract us using one of the methods below.

LoLog REV418 with Hall effect for direct fitting to Kent MSM water meter sensor

15/05/2003MLF *Due to our policy of continuous product development Radcom reserves the right to change specifications without notice.*

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