



LoLog LL™

INTRODUCTION

LoLog LL 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, LoLog LL can operate unattended until you need the data. It is ideal for harsh applications.

LoLog LL is equipped with an LCD and is completely waterproof, submersible and battery powered. LoLog LL requires no maintenance in service.

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

LoLog LL can be supplied with connection to 1 or 2 inputs for a wide range of instrumentation. Using a digital input, LoLog LL can monitor flow meter pulses whether they are electronic or basic reed switch.

LoLog LL can monitor 4-20mA analogue signals or can be fitted with 2 internal transducer to monitor pressure.

TYPICAL APPLICATIONS

Customer Metering Diagnostics

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

Demand Management Assessments

LoLog LL is widely used to help planners assess demand in residential areas. LoLog LL is small and light and fits easily in boundary boxes.

PRV Monitoring

LoLog LL is highly economical as a dual channel pressure datalogger and is well suited to monitor upstream and downstream pressure across a PRV.

Pressure Recordings

Replacement of Chart Pressure Recorders, Hydrant Pressure Studies & Hydraulic Modeling Studies



New LCD Display

ADVANCED DESIGN

LoLog LL is fully compatible with the acclaimed RadLog for Windows™ software.

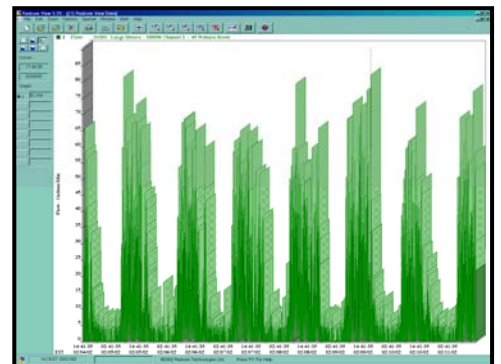
RadLog is the industry standard package for data trending, reporting, analysis and archiving.

RadLog can be used to program all of the features of LoLog LL. Once set up, LoLog LL can be left unattended.

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

Once downloaded, the full power of RadLog can be used to analyze and manipulate data. If required, RadLog can 'stitch' data together to produce a contiguous archive of information from a single LoLog LL.

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



Typical RadLog display showing LoLog LL data from a district meter.

LoLog LL™ TECHNICAL SPECIFICATION

Sensor Input Options	Digital	Uni- or bi-directional pulse. Reed switch contact closure type or other non powered sensors including ABB LRP & PU10 pulse heads, Aquamag/Magmaster Up to 64 pulses per second.
	Analogue	Internal Pressure Transducers 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 0-100mV.
Logging Features	Memory	Recording 32,000 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 alphanumeric characters.
	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	Totalizer calibration – tenths of gallon per pulse
Communications	Serial	RS232 by Infra-red port for connection to PDA, laptop PC, or desktop PC up to 9,600 Baud.
Physical	Dimensions	160H x 108W x 45D mm (6.3"H x 4.3"W x 1.8"D)
	Construction	Die-cast aluminum enclosure, powder coat spray painted
	Weight	0.8 Kg (1.8 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

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

R	D	L	5	1		L	/	i/p 1	i/p 2	
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1 = 1 input
2 = 2 inputs

0 = no input
2 = 0-1 volt input
3 = external pressure
4 = digital pulse
5 = 4-20mA
6 = internal pressure
7 = Status

Blank = Mil connector or int press
D = Depth sensor glanded to case

or

R	E	V	5	1	4	L	/	1
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For single input flow only data logger
(small case LoLog PCB in larger LoLog LL case)

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