

Multi Log S GSM / SMS™

TECHNICAL DATA

Sensor Input Options (2 Inputs)	Digital	Uni- or bi-directional pulse. Contact closure type sensors only.
		Up to 128 pulses per second.
	Analogue	Internal Pressure Transducer 0-20 bar / 0-200 metres head / 0-300 psig, accuracy $\leq \pm 0.25\%$
		External Pressure Transducer (volt) or Transmitter (mA) 0-20 bar / 0-200 metres head / 0-300 psig, accuracy <math>< \pm 0.1\%</math>
		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 for GSM version
	Frequency	1 – 59 seconds, 1 – 59 minutes, 1 – 24 hours (SMS 15 mins) 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 (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.
	Secondary channel	Can be programmed to record either fast data, average minimum, average maximum or time interval between pulses (for data smoothing). GSM only
	Count & Event Logging Modes	Count and Event logging modes independent for both recordings
Communications	Serial	RS232 by MIL connector for connection to Rad Link hand held programming and data collection unit, laptop PC or desktop PC. Programmable up to 19,200 Baud.
	SMS communications	Typically 1x SMS text message per day to transmit 1 or 2 channels of compressed data
	GSM communications	9,600 Baud 2-way Dual Band Cellular modem, 900/1800MHz. 8 power up time windows for unscheduled calls (1 hour/day)
Physical	Dimensions	195H x 120W x 70D mm (7.7”H x 4.7”W x 2.8” D)
	Construction	Die-cast aluminium enclosure, powdercoat spray painted
	Weight	1.6 Kg (3.5 lb)
	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.

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1= 1 input
2= 2 inputs

1= digital pulse input
2= 0-1 volt input
3= external pressure
5= 4-20mA
6= internal pressure

SMS = SMS text messaging comms
RCI = GSM, call during time window
approx 1 hour / 24 Hr day Time Windows