

# MultiLog GPRS

*GPRS Data Logger*



## KEY BENEFITS

- Integral GPRS modem telemetry
- Hourly data by email (18 Month battery)
- Twice daily data by email (3 yr battery)
- Daily data by email (5 years battery)
- For PD100 & HRP high power sensors
- Bi-directional flow uses a single channel
- Memory 48,720 readings
- Local data download via 10 pin military plug into laptop, PC or PDA
- Rugged die cast aluminum case
- Fully sealed & submersible, IP68.

MultiLog GPRS is an innovative cellular telemetry logger capable of downloading its data to a PC or centralised server, by sending an email directly from the logger.

The receiving PC only requires an email account, either a local Outlook or a server based Exchange email account, and does not need a dedicated modem to collect data from loggers.

No special email system is required.

Like our other cellular telemetry loggers it is suitable for applications where cabled Telephone lines are costly or prohibitive.

## Typical Applications

### District and Zone Monitoring

MultiLogGPRS is ideal for monitoring flow, pressure and or water quality parameters to assess demand, leakage and conformance.

### Network Analysis Investigations

MultiLogGPRS can be used to perform dynamic flow & pressure analysis of network models, particularly where hourly data updates can be useful for near real time monitoring..

### Key Account Customers

MultiLogGPRS confirms levels of service and enables extra data to be provided to key customers.



For more information call (513) 831-9335  
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## GPRS Data Logger

FLOW MEASUREMENT DATA LOGGING LEAK DETECTION PRESSURE CONTROL ENVIRONMENTAL MONITORING

Sensor Input	Digital	Uni- or bi-directional pulse. Instrument powered or non-powered sensors eg PD100.
		Up to 128 pulses per second.
	Analogue	Internal Pressure Transducer
		0-20 bar / 0-200 metres head / 0-300 psig, repeatability $\pm 0.1\%$ .
		External Pressure Transducer (volt) or Transmitter (mA)
		0-20 bar / 0-200 metres head / 0-300 psig, repeatability $\pm 0.1\%$
		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	15 minute sample rate (for hourly data download). Other settings available on request.
	Alarms	Optional Alarms sent by SMS. Minimum or maximum threshold alarm with persistence factor per channel. 7 Alarms per logger. Each alarm out comment field 16 characters. Can be programmed to auto dial up to 4 telephone numbers on 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).
	Logging Modes.	Count and Event logging modes.
Communication	Serial	RS232 by MIL connector for connection to Rad Link hand held programming and data collection unit, laptop PC or desktop PC. Programmable upto 19,200 Baud.
	GPRS (Email) Communications	Typically 1x Email per day to transmit 1 or 2 channels of compressed data at 15 minute sample rate.
	SMS (Text) Comms	SMS message transmitted on Alarm.
	GSM (Data) Communications	If SIM card is enabled for GSM service, Office PC can establish real time communications with Logger for reconfiguration etc;
	Cellular Module	2-way Dual Band Cellular modem, 900/1800MHz. Optional power up time window to receive instructions by SMS
Physical	Dimensions	9.9"H x 6.9"W x 3.6"D (250mm H x 175mm W x 90mm H)
	Construction	Die-cast aluminium enclosure, powdercoat spray painted
	Weight	9.9 lb (4.5 Kg)
	Operating Temp	-5 to +160°F (-20 to +70°C)
	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

FCS reserve the right to change the specification of any product without prior notice.

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