



MICROLOGGER Data Logger

Streamline Measurement



- **Robust, waterproof logger**
- **Analogue, Counter and SDI-12 Inputs**
- **128k memory**
- **Simple to use**
- **Low Maintenance**
- **Remote communication via GSM, PSTN and Radio**

The MICROLOGGER is one of a family of data loggers designed to meet your exacting requirements by offering not only an expanded signal capacity and range but also easier programmability. The latest development in data loggers, the MICROLOGGER offers 3 input channels, 1 high speed serial input/output, one SDI-12 channel and one control output. They also provide two power sources for external instruments. The range of scan rates extends from 250 milliseconds to 5 minutes.

Memory is 128K capacity CMOS RAM, enough storage for many months of recording. MICROLOGGERS are completely portable, containing an internal battery supply for up to 2 years of normal operation. The MICROLOGGER communicates using standard asynchronous RS-232 serial communication standards which allow it to communicate with an IBM PC or compatible computer using a standard cable.

MICROLOGGER Data Loggers are used around the world to measure and record environmental information such as wind and weather, water level, flow and quality pressure, temperature, load, soil moisture, electricity, gas and even fruit tree sap flow.

Telemetry Options

Streamline Measurement Ltd specialise in providing complete systems ready to operate. Typically a data logger can be used as a standalone recorder, or can be integrated with a battery powered modem to operate as a telemetry outpost. There are three types available:

- PSTN or landline modem
- Radio modem – up to 20Km
- GSM cellular modem

These options enable the user to operate single point to point remote links, small networks using standard software or to integrate the equipment into area or regional telemetry systems running specific hydrological network software.

Streamline can help customers configure the data logger for remote operation, including such features as event triggered alarms for local control and automatic dial-up or SMS alerts to mobile phones.



MICROLOGGER Specifications	
Input Channels	2 analogue, (10 bit), 1 counter (16 bit) 1 HSIO digital, 1 SDI-12 digital
Data Logger Memory	128k (60,000 readings)
Instrument supplies	5Vdc @ 100mA switchable, 6.5Vdc continuous
Log interval	250mseconds to 1 week
Internal battery	10Ah Alkaline, Nicad rechargeable optional
Control Output	Programmable on any event
Memory Backup	Lithium 1/2AA (optional)
Communications	RS232 300 to 38400 BAUD
Modem comms	9600 Baud (1200 for Line powered modem)
Clock	Crystal regulated ± 10 s/month
Operating Temperature	-20°C to 60°C
Logger Enclosure	IP67 fitted with waterproof connectors
Logger dimensions	211 x 108 x 81mm



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