



STARLOGGER Data Loggers

Streamline Measurement

Robust

Simple to Use

Battery Powered

Display and Keypad

Memory card option

Remote communication
via GSM, PSTN and
Radio



The STARLOGGER is 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 STARLOGGER offers 12 input channels, two high speed serial input/output busses and one output. They also provide two power sources for external instruments. The range of scan rates extends from 250 milliseconds to 5 minutes.

All STARLOGGERS feature eight (10 bit) analog channels, four (16 bit) counter/frequency channels, and sixteen (16 bit) STARBUS serial I/O channels. Memory is a large 128K capacity CMOS RAM, enough storage for many months of recording. STARLOGGERS are completely portable, containing an internal battery supply for up to 2 years of normal operation. Because of their low power consumption they are ideal for automatic data collection and control in remote locations and unmanned sites.

The STARLOGGER 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.

Choice of models

To choose the model of Starlogger best suited to your data logging project, consider if the system is to be automatic using remote telemetry, visited regularly for downloading (display model gives local information), or requires extended memory (Memory card version). All models have the same number and format of channels. (Note: Basic model without display not shown)

Starlogger 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 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 outstation. 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.



Starlogger Specifications	
Input Channels	8 analogue, (10 bit), 4 counter (16 bit) 2 HSIO digital, 1 SDI-12 digital (not Red model)
Data Logger Memory	128k (60,000 readings)
Instrument supplies	5Vdc @ 100mA switchable, 6.5Vdc continuous
Log interval	250mseconds to 1 week
Internal battery	18Ah 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 (2400 for Line powered modem)
Clock	Crystal regulated ± 10 s/month
Operating Temperature	-20°C to 60°C
Logger Enclosure	IP54
Logger dimensions	211 x 108 x 81mm

A Unidata product represented by:



Streamline Measurement Ltd.
11 Hawthorn Bank
Hadfield
Glossop
SK13 2EY

For more information
contact Streamline on:

01457 864334

Sales@streamlinemeasurement.co.uk