

MEA2201 Limited Channel Data Logger

The MEA2201 is a data logger with limited channel capacity but with all the other features of a large capacity data logger.

A special, weatherproof housing is manufactured for every application which means it is adaptable to a wide range of projects.

The MEA Micrologger can be used in applications such as:-

- Rain gauge logger
- Water meter logger
- Mains pressure logger
- SDI-12 sensor logger
- Soil moisture logger

The MEA Micrologger is a limited channel data logger with the same level of programmability and function as the more highly specified data loggers available from MEA.

The Micrologger offers a small, low power, data logger option for simple applications requiring only a minimal number of inputs.

Sensor cable access to the data logger is through a cable gland in the base of the enclosure, into terminal blocks inside the enclosure.

Electronics and battery are housed in a polypropylene, water and air-tight enclosure. The enclosure can be secured by an external lock (not supplied), and is post mountable using U bolt connectors, with an optional security cable.

The MEA Micrologger is managed using Windows compatible Magpie software. Magpie is used to instruct the data logger and to download and display the data in tables and graphs. Data is stored in a

continuous data base, and can be exported or copied to another program.

Data is transferred from the Micrologger either by connecting the micrologger to a PC using the RS232 communications cable provided, or by connecting to landline or cellular modems.



Specifications

Memory	128 K CMOS RAM (lithium battery backup); 54,000 readings
Memory overwrite	Linear or circular (overwrite) logging
Sensor input channels	2 x analog, 10 bit, 0-2.55 V DC 2 x frequency, 16 bit, 10kHz maximum 1 x log start input 1 x digital sense input 1 x open collector output 1 x CMOS digital output 1 x high speed input output bus 1 x SDI-12 serial digital input output bus
Communications	1 x RS232 communication port
Scan rate	0.25 seconds to 5 minutes, programmable
Time clock	Crystal regulated, +/- 10 seconds per month, set by computer
Operating software	Magpie
Battery	10 Ah alkaline pack, minimum 12 month life
Power supply	7 to 14 V DC from internal battery
Enclosure	Copolymer Polypropylene Structural Resin; 23.5 x 19.7 x 11.4 cm
Mounting frame	Steel frame with U bolt to suit 30 to 50 mm OD post
Security fittings	Enclosure may be padlocked. Optional, enclosure-to-post security chain