

GP1

GP1 Data Logger

The GP1 Data Logger is a compact research grade data logger which provides high accuracy data logging in a waterproof enclosure.

The GP1 has been designed to log two ThetaProbes, one WET sensor, two temperature sensors, and two pulse inputs which can be used to connect tipping-bucket rain gauges or flow meters.

- Stores up to 600 000 readings
- Internal battery lasts up to 3 years
- Log ThetaProbes, temp. & rain gauge

The GP1 is very simple to set up and maintain. Its small size allows it to be fitted wherever is most convenient.

A WET sensor can be connected via a dedicated internal serial channel.

With the use of an expansion lid, the GP1 will log all of the above instruments at once.

The GP1 is tough, waterproof and its internal 9V alkaline battery should last for at least one year, or three years with a lithium battery.

The GP1 is supplied with a communications cable and DeltaLINK-PC software allowing configuration and data retrieval with a PC or laptop.

Applications

The GP1 can be used to monitor soil moisture, temperature and rainfall using a combination of ThetaProbes, temperature sensors and tipping-bucket rain gauges. If used with a WET sensor the GP1 can be used to monitor soil moisture, salinity and soil temperature.



Specifications for GP1

| | |
|-------------------|--|
| Input Channels | Analogue voltage: 2 Temperature: 2 Pulse counters: 2 RS232: 1 (for WET) |
| Reading Storage | 600 000 readings, non-volatile |
| Power Supply | 9V battery, alkaline or lithium |
| Sensors Supported | ThetaProbes, WET sensor, temperature sensor, rain gauge, flow meter |

