

## GP2

### GP2 Data Logger

The GP2 is a powerful, weatherproof, research-grade data logger with unique features for recording and controlling field experiments.

- **Up to 24 analogue input channels**
- **Flexible control outputs**
- **Easy set up**

The GP2 provides a versatile solution for both simple and complex recording and control applications. For many applications the GP2 is quicker and simpler to set up and install than competitive systems, while still providing full access to a rich set of advanced features.

The GP2 can be used with PR2 Profile Probes, ThetaProbes, WET sensors, and a range of climate sensors.

The relay outputs can control experiments and applications using the Script Editor.

The Script Editor is easy to use, yet allows the creation of complex functions such as disease prediction, and PID control.

A range of expansion lids is available with additional cable entry points and configurations, including dedicated Profile Probe connectors or wider diameter cable entry glands.

Up to seven GP2 data loggers can be networked to create complex monitoring and control systems.

### Applications

The GP2 can be used for soil moisture monitoring, climate monitoring, and irrigation control. High analogue accuracy, built-in error checking (in the program editor) and the flexibility to customise individual input channels make the GP2 suitable for demanding research projects.



### Specifications for GP2

Input Channels	Analogue voltage: 12 differential (up to 24 single-ended) WET Sensor: 1 Counter/Frequency: 2 x 30kHz; 2 x 100 Hz
Reading Storage	2.5 million readings, non-volatile
Relay Output	2 (+ 4 with optional relay expansion card)
Power Supply	6 x AA alkaline cells, or mains via 12V adapter
Sensors Supported	ThetaProbes, WET sensor, temperature sensor, rain gauge, flow meter, wind sensors and other climate sensors.

