ML

The Logbook ML is a generic logger with three inbuilt sensors, light, temperature and sound. It has two additional inputs for connecting other sensors meaning that it can be used to measure anything from CO_2 levels to force (see our website for the full range of sensors).

The logger records data from the sensor and the Logbook Graphing software automatically plots a graph of the results. The sensors gather data more accurately and, because it is an automatic process, the experiment itself takes less time leaving more time for analysis and investigating other conditions.

Recording Types

The ML can be used connected to a computer or remotely. If connected to a computer, the results will appear immediately on the screen using the Logbook Graphing Software. If you are recording remotely, you can set the logger to record, save the recording and then connect to a computer to see a graph of the results of your investigation.

It has two remote recording types: **Normal** and **Snapshot.** In **Normal** recording mode, the logger starts recording fast, and then gradually increases the time between points, and stops after 49 days. In **Snapshot** recording mode, recordings of sensors are taken when you press the tick button. Up to 250 snapshots can be recorded in a single file.

Inbuilt sensor specifications

- Built-in temperature sensor. Range 0 to 50°C. Resolution better than 0.2°C.
- Plug-in external temperature sensor. Range -10 to 110°C, Resolution as above.
- Built-in light sensor. Measures from 0 to100 000 Lux. Resolution better than ±2.5% of reading.
- Built-in sound sensor. Measures from 50 to 110dB.

Logging Performance

Max. No of data points: 501 x 4 channels; Min. recording interval 125ms; Max. recording length 47.5 days; Max. 8 files; 2 Recording modes: Normal (Auto-time) and Snapshot;
Data not lost even if battery is removed.