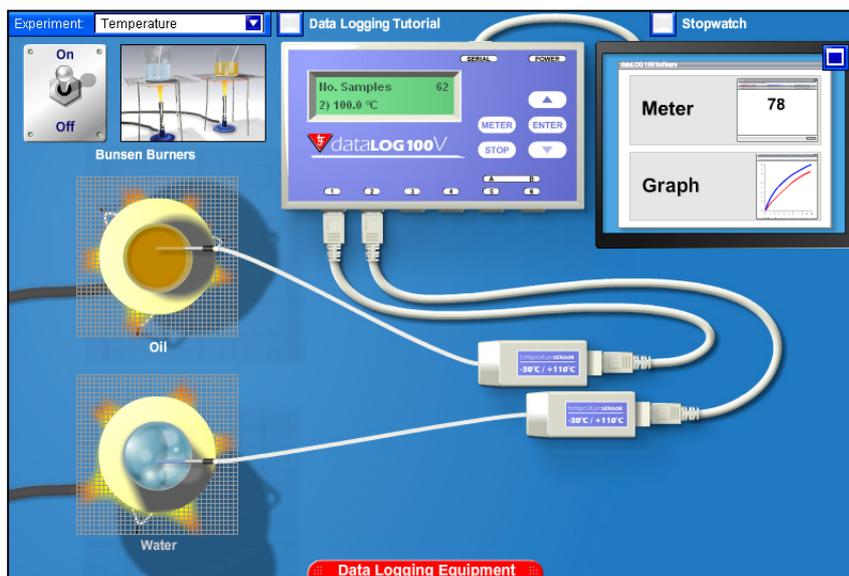




Virtual DataLogger



This interactive, PC-based simulation provides students with an excellent introduction to datalogging in science.

The software includes a virtual datalogger, an on-screen data collection package and a series of virtual sensors that are used within different science experiments.

Students are able to use the virtual datalogger to collect remote data from a range of experiments.

Virtual Datalogger

The virtual datalogger can capture data in three modes:

- EasyLog
- Fast Log
- Snapshot

It can also be used in metering mode to display live data without capturing.

Experiments

These experiments provide virtual apparatus that allows students to measure:

- Light levels
- Magnetic field strength
- Pulse rate
- Temperature
- Distance
- Velocity

Light Levels

A light sensor can be used to measure the light levels at varying distances from a primary light source.

Magnetic Field Strength

A magnetic field sensor can be used to measure the field strength around a bar magnet.

Pulse Rate



A heart rate sensor can be used to measure a person's heart rate as they perform several physical activities.

Temperature

Two temperature sensors can be used to measure the temperature of two beakers of fluid (oil and water) as they are heated or cooled.

Distance

A motion sensor can be used to measure the distance from a wall.

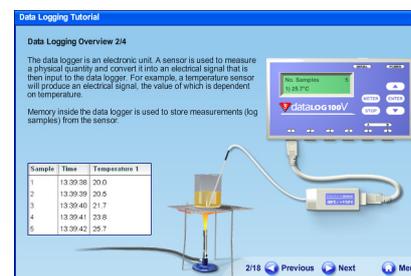
Velocity

A motion sensor can be used to monitor the position of a ball as it rolls down a slope of varying angles.

Data Collection Package

The software allows students to collect data from the virtual datalogger and display it graphically. Multiple sets of data of similar types can be collected and overlaid for comparison.

Tutorials



Students can access a series of tutorials including:

- Data Logging Overview
- Temperature Experiment Example
- Modes of Operation
- Experiment Environment
- Operating the Data Logger
- Using the Graph Software

Minimum Computer Requirements

- Windows® 2000 or later
- 50 MB free hard disk space
- Flash player v9 or later (supplied on CD)

Languages Supported

- English (US)
- English (GB)
- Spanish

Order as:

DL100V Virtual Datalogger
Single User License

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