

1. Timing Mats

These mats (regular 59 x 17cm; large 72 x 39cm) are on/off switches, and are activated by stepping onto them; one mat starts the timer, the other stops the timer. A favourite activity for younger children is to find out how long they can stay in the air when they jump.

Applications include:

- How long can I stay in the air when I jump?
- How fast can I hop, walk and run?
- How many jumps can I do in a minute?

Code	Description	Pack	Price
LOG3276	Regular	Pair	£59.00
LOG3279	Large	Pair	£59.00

2. Ultra-Violet Sensor

This multi-range sensor is sensitive to both UVA and the harmful UVB band of the spectrum, and allows topical investigations into the efficiency of suntan creams, UV protection of clothes etc.

- Ranges: 0 to 50W/m², 0 to 5W/m², 0 to 500W/m²

Applications include:

Physics:

- UV protection of clothing
- Investigating the UV variations along a fluorescent tube v light output

Biology:

- Testing suntan creams and sunglasses

Chemistry:

- Fluorescent rocks and dyes

Environment:

- Investigating the effect of cloud cover on UV measurements

Code	Pack	Price
LOG3282	Each	£114.00

3. Voltage Sensors – Differential Input

These are 4 voltage sensors that measure the potential energy across any component for both DC and low voltage AC circuits. The 4mm plugs attach to most of the standard available electronic kits. With differential inputs, these sensors can be used anywhere within a circuit.

Applications include:

Physics:

- Series and parallel circuits
- Current and voltage relationships
- Resistance
- Electrical characteristics
- Induced EMF (LOG3291 only)
- Battery comparisons
- Capacitor charge/discharge
- Ohm's law

Environmental:

- Alternative sources of energy

Code	Description	Pack	Price
LOG3294	Voltage sensor ±20V	Each	£53.00
LOG3288	Voltage sensor ±12V	Each	£53.00
LOG3285	Voltage sensor 0-10V	Each	£53.00
LOG3291	Voltage sensor ±1V	Each	£53.00

