

1. Crocodile Clips

A crocodile clip lead is normally used attached to a home-made or commercial switch. They can be used singly or in pairs to provide timing and event monitoring/triggering.

Typical investigations:

- Timing an event with the crocodile clips attached to a 'pupil' designed switch e.g. a pressure mat sensitive enough to detect a small animal
- A reaction time investigation – using home-made reaction switch with a simple circuit and lamp
- Gravity investigations – record the time from A to B as an object falls using a home-made digital 'target area' as input B

Code	Pack	Price
LOG3219	Pair	£16.00

2. Current Sensors

There are 3 current sensors with different ranges that measure both AC and DC.

With differential inputs these sensors can be used anywhere within a circuit and in conjunction with a voltage sensor.

Applications include:

- Series and parallel circuits
- Ohm's law – resistance in a circuit
- Electrical induction
- Battery life
- Capacitor discharge and recharge
- Current surge
- Electrical component characteristics
- Voltage and current relationships
- Electrolysis

Code	Description	Pack	Price
LOG3222	Current sensor $\pm 100\text{mA}$	Each	£60.00
LOG3075	Current sensor $\pm 1\text{A}$	Each	£60.00
LOG3225	Current sensor $\pm 10\text{A}$	Each	£60.00

3. Drop & Bubble Counter

This sensor offers exceptional value as it performs a dual role. In Chemistry its primary role is as a drop counter accurately measuring volume during a titration. It can also be used to monitor bubbles produced during gas production from either a chemical reaction or a biological process.

When operating as a drop counter, titrant is uniformly dripped from the supplied reservoir and optically recorded. If desired, the drops can be automatically converted to a volume measurement by following a simple calibration procedure.

As a bubble counter, the sensor optically counts the number of bubbles, from either a chemical or biological source, ascending through the plastic tubing. This method is unique in that it accurately measures the range of gas production.

Ranges:

- 0 to 10,000 count
- 0 to 120cm³ volume at a drop rate from 23 to 29 drops per cm³

Code	Pack	Price
LOG3078	Each	£105.00

