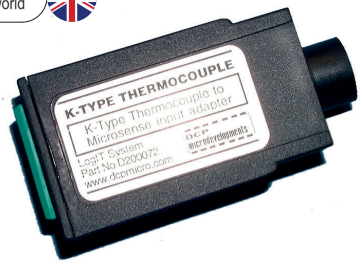
1 LogIT world



1. Temperature Thermocouple Sensor

The K-Type thermocouple amplifier and conditioner is built into a small case that plugs directly into any of LogIT's sensor sockets (except Explorer). Any standard K-Type probe, within the adapters operating range, can be used. Adapter contains automatic cold junction compensation.

- Nominal accuracy: ±1% of range ±2 digits nominal plus probe errors

Applications: melting point of substances, combustion of different fuels, heat conduction through metals, temperature distribution of a Bunsen flame, monitoring the cooking of food, kiln temperature.

Code	Pack	Price
LOG6056	Each	£74.89

2 LogIT world

2. Light LUX Sensor, Wide Range

The LUX sensor is intended for light intensity measurement, primarily the monitoring and recording of trends and changes in environmental levels of natural light.

- Accuracy: ±9%
- Resolution: 10 LUX
- Peak spectral response 565 nanometres
- Radiant sensitivity area: 7.5 square millimetres
- Calibration point: 5000 LUX (natural)

Applications: experiments requiring calibrated measurement, very low power lasers and most applications listed for the general light level sensor. Often used with a sensor extension lead.

Code	Pack	Price
LOG6068	Each	£43.77

3 LogIT world

3. Magnetic Field Sensor

Intended for educational investigations into the characteristics and strength of magnetic and electromagnetic fields. The device contains a miniature Hall effect solid state sensor mounted on a flexible probe to allow easy access to coils etc.

- Nominal accuracy: ±9%
- Range: -90 to +90mT magnetic flux density

Applications: magnetic field through a coil, electromagnetic induction. Often used with a sensor extension lead.

Code	Pack	Price
LOG6074	Each	£76.41

4 LogIT world

4. Voltage Sensor

Designed for general voltage measurement in electronic circuits or for connecting to other sensors.

- Range: -25 to +25 volts DC
- Nominal accuracy: ±1% over voltage range
- Resolution: 0.02 volts DC

Applications: studying solar cells, electric motors, induced emf, potential difference across components (e.g. lamp, resistor, zener diode). Ohms law (with current sensor), battery discharge, electronic oscillator output, capacitor discharge.

Code	Pack	Price
LOG6076	Each	£45.28