Physics – Heat & Energy



1. Compound Cylinder

Cylindrical brass tube flush-jointed with a wooden cylinder. 200mm x 30mm Ø.

| Code | Pack | Price |
|--------|------|-------|
| PH0405 | Each | £7.85 |

2. Lascells Thermistor System

This apparatus contains an NTC bead thermistor with a nominal resistance of $4.7k\Omega$ in a glass tube with electrical connection made by means of 4mm flying leads. Students from KS3 to post-16 can carry out practical investigations into thermistor characteristics. Full instructions and specimen results included.

| Code | Pack | Price |
|--------|------|--------|
| PY3084 | Each | £23.21 |

3. Lascells Mounted Thermistor

A bead thermistor with rapid response for use as a temperature sensor. Resistance varies from $15k\Omega$ at 0 degrees to 300Ω at 100 degrees. Typically $5k\Omega$ at room temperature falling to $3k\Omega$ when gripped between the fingers.

| Code | Pack | Price |
|-----------|------|-------|
| SX100-098 | Each | £7.51 |

4. Simple Circuit Module Thermistor Unit

A simple circuit module fitted with a thermistor on a base board. The module has 4mm plug connections.

| Code | Pack | Price |
|---------|------|-------|
| 231-060 | Each | £5.05 |

5. IPC Irwin Thermopile

A miniature multi-junction thermopile mounted on a 90mm rod with a 500mm cable terminated with red and black 4mm plugs. By using a sensitive galvanometer or digital voltmeter capable of reading to 0.1mV, the differing radiant energies from the surface of a Leslie cube can be demonstrated. Supplied with instructions.

| Code | Pack | Price |
|---------|------|--------|
| EL10457 | Each | £92.48 |

6. Ultra Violet Pen

Forged bank note cash detector pen with integrated UV light. Ideal for detecting counterfeit paper and polymer currency.

| Code | Pack | Price |
|---------|------|-------|
| SEL2002 | Each | £8.31 |

7. Ultra Violet Lamp, Battery

A battery operated ultraviolet light source suitable for Forensic Science investigations. Takes 4 x AA cells (not supplied). Fitted with 150mm UV fluorescent tube.

| Code | Pack | Price |
|----------|------|--------|
| SEOP8050 | Each | £18.06 |

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