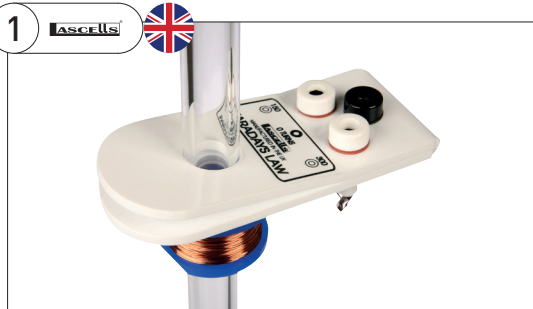


1. Lascells Faraday's Law Apparatus

This system provides a simple and effective method of studying Faraday's law. An acrylic tube supports an easily moved coil so that a small cylindrical magnet (supplied) can be dropped down the tube to generate a pulse of electricity as it passes through. An oscilloscope is used to monitor the pulse and measure its amplitude. At different speeds the amplitude varies and can be used by students to investigate Faraday's law, while revising equations of motion to determine the speed. Twin coils, 150 and 300 turns, allows for extra versatility. Recommended for KS4/Post-16.

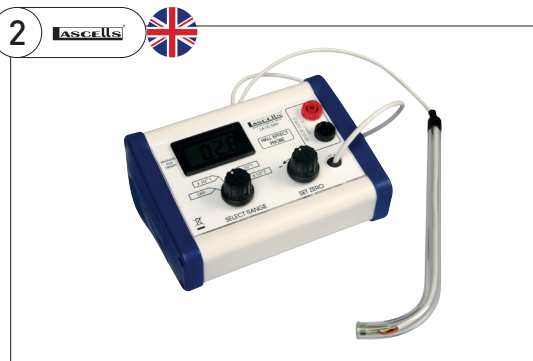
| Code | Pack | Price |
|--------|------|--------|
| PY3006 | Each | £52.95 |



2. Lascells Hall Effect Probe

The unit is ideal for measuring magnetic fields ranging from strong, permanent magnets down to weak fields such as that of the Earth. The range is -70mT to $+70\text{mT}$ and the readout is displayed in tesla on the integral display. Three range settings allow field strengths from $10\mu\text{T}$ to 70mT to be displayed. The sensor output is also taken to 4mm sockets to allow a digital multimeter (not supplied) to be connected. Output from the sensor is in the range -2.5 to $+2.5\text{V}$. The control circuitry and display are contained in a robust case with the sensor mounted in a 90° probe.

| Code | Pack | Price |
|--------|------|---------|
| PY3030 | Each | £119.00 |



3. Lascells Magnetic Field Unit

Clear acrylic base assemblies which are suitable for bench or overhead projector use. Can be used to demonstrate magnetic field patterns around conductors using plotting compasses or iron filings. Three types are available requiring a DC power supply capable of providing 5-8A. The twin coil model has a single turn coil rated at 8A max and 5 turn coil rated at 5A max.

Base dimensions: $150 \times 150 \times 45\text{mm}$ with connection via 4mm sockets. Available models must be ordered individually.

| Code | Description | Pack | Price |
|--------|---------------------|------|--------|
| PY3012 | Vertical wire field | Each | £24.88 |
| PY3014 | 15 turn solenoid | Each | £31.58 |
| PY3016 | Twin vertical coils | Each | £29.70 |

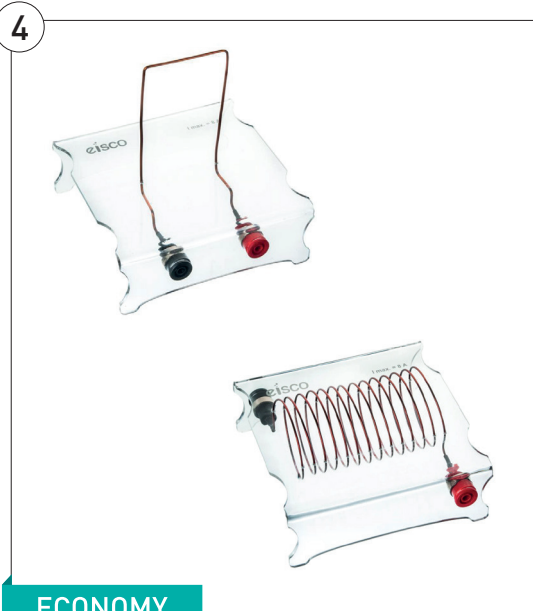


PREMIUM

4. Magnetic Field Demo Wires

Mounted on acrylic sheet with socket connections. Enables the magnetic field around a 1.5mm diameter wire to be explored. Maximum current is 8A.

| Code | Description | Pack | Price |
|---------|----------------|------|--------|
| PHY1014 | Vertical wire | Each | £10.14 |
| PH0803B | Long solenoid | Each | £9.08 |
| PHY1116 | Vertical coils | Each | £9.08 |



ECONOMY