# Physics - Electricity & Magnetism



## 1. Lascells Adjustable Magnet

Consisting of a steel frame with lockable, adjustable jaws which will accept 50 x 20mm ferrite slab magnets or neodymium button magnets. The field strength can be changed by adjusting the distance. Use with the Lascells B.I.L. Coil to determine the flux density in the gap. The unit is supplied complete with 2 ferrite magnets, an eddy current pendulum demonstration and universal accessory bracket. Dimensions: 120 x 50 x 50mm. Mass 0.25kg.

Code	Pack	Price
PY3040	Each	£59.65

### 2. Soft Iron Bar

Ideal for use in electromagnetism experiments. Soft iron does not retain its magnetism when the applied current is switched off. Dimensions: 200 x 12mm (L x Ø).

Code	Pack	Price
X22500	Each	£1.72

### 3. Magnetising Charger

Charger for bar and horseshoe magnets. No electricity required. Dims (L x W x H): 220.98 x 139.7 x 50.8mm.

Code	Pack	Price
MAG1020	Each	£63.76

## 4. Magnaprobe<sup>™</sup> Magnetic 3D Field Indicator

The Magnaprobe<sup>™</sup> magnetic field indicator is a small bar magnet fully suspended in a gimbal mounting and is designed to show the three dimensional nature of a magnetic field. The Mark I model is more sensitive than the Mark II and has been individually balanced to show the dip in the Earth's magnetic field.

Code	Description	Pack	Price
SEL1044	Mkl	Each	£34.86
SEL1046	Mk II	Each	£9.60

# 5. Magnetic Needle

- Single, magnetic needle
- Needle measures 100mm long
- Made of carbon steel
- Features brass cup bearing for pivoting

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Code	Pack	Price
MAG4062	Each	£1.10

#### Metal Magnetic Needle on Stand 6.

- Includes base, non-magnetic pillar, and magnetic needle
- 4.5 inches tall (from bottom of base to tip of magnetic needle)
- Base is 2 inches in diameter
- Spins easily

Code	Pack	Price
MAG4064	Each	£1.37

# 7. Stand Magnetic Needle

Non-magnetic plastic pillar with carbon steel point. Dimensions: 1.6 x 0.7" (h x Ø). Needle not included.

Code	Pack	Price
MAG4066	Each	£0.67

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