

1. Lascells Fibre Optics Set

This set provides a rugged, self-contained system for demonstrating and using a fibre optic communications link.

The transmitter offers a choice of modulation – a variable frequency audio tone and a 250kHz square wave for speed of light investigations. The receiver contains a user variable gain amplifier with integral loudspeaker as well as direct monitoring sockets for an oscilloscope.

The system is completed with 5m and 20m sheathed polymer optical fibre coils terminated with clip housings to mate with the transmitter and receiver units. The wavelength used is in the visible red part of the spectrum and with the modulation set at 1Hz the pulsing beam can be easily seen so that the fibre optic principle can easily be demonstrated. Full experimental details included.

Code	Description	Pack	Price
OP1012	Fibre optics set	Each	£261.00
OP1014	Fibre optics polymer 20 metres	Each	£82.00
OP1016	Fibre optics polymer 5 metres	Each	£31.00

2. Lascells Fibre Optic Probe

A white LED source with detachable fibre optic cable. The LED can be powered by any low voltage supply and when the fibre optic is inserted the beam can be seen coming from the fibre. Used for demonstrating the principle of light transmission along fibre optic cables.

Code	Pack	Price
OP1000	Each	£41.00

3. Blocks & Prisms, Acrylic

An array of clear polished acrylic blocks for optics experiments.

Code	Description	Pack	Price
ACB010	Rectangular, 75 x 50mm	Each	£5.29
PH0568B	Rectangular, 100 x 65mm	Each	£1.60
ACB011	Biconvex, 75 x 115mm	Each	£2.62
EDU1004	Equilateral, 38 x 38mm	Each	£2.25
ACB014	Equilateral, 60 x 60 x 60mm	Each	£2.43
ACB015	Triangular, 90 x 45 x 45mm	Each	£0.70
ACB016	Triangular, 90 x 60 x 30mm	Each	£1.11

4. Prism Set, Acrylic

Consists of 7 blocks in well presented storage tray. All faces fully polished. 25mm thick.

- Rectangle, 75 x 50mm
- Semi circular, 75mm Ø
- Triangle, 60 x 60 x 60° with 58mm side
- Triangle, 90 x 45 x 45° 75mm hypotenuse
- Triangle, 90 x 60 x 30° 75mm hypotenuse
- Bi-convex, 75mm long curved faces 100mm radius
- Bi-concave, 75mm long curved faces 100mm radius
- Wooden box not included

Code	Pack	Price
ACB017	Each	£38.36

