

## 1. Light Guide Demonstrator

An 'S' shaped acrylic bar 220 x 20 x 20mm which can be used with the raybox to demonstrate total internal reflection. It helps students to understand the principles of optical communications. The bottom of the bar is painted white to aid visibility.

Code	Pack	Price
WB005	Each	£15.46



## 2. 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.

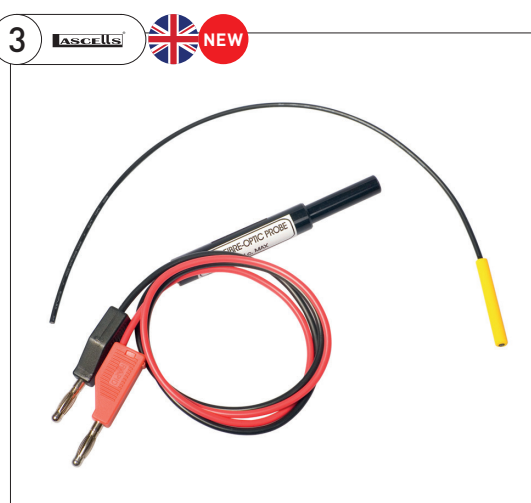
Code	Description	Pack	Price
OP1012	Fibre optics set	Each	£285.77
OP1014	Fibre optics polymer 20 metres	Each	£91.52
OP1016	Fibre optics polymer 5 metres	Each	£34.38



## 3. 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	£33.98



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