

1. Adjustable Single Slit

Adjustable slit for optics bench, 4mm spring loaded precision slit, rod attachment for bench/base.

Code	Pack	Price
PH0686	Each	£18.78

2. Diffraction Glasses

Code	Description	Pack	Price
OP2012	Rainbow diffraction glasses	Each	£0.88
OP2015	Science superstar hologram glasses	Each	£0.90
OP2018	Rave spectrum glasses	Each	£1.01

3. Polaroid Film

Maximum transmission single plate 32%. Extinction transmission 0.005%.

Code	Dims, mm	Pack	Price
PY1020	50 x 50	Each	£22.46
PY1022	150 x 150	Each	£67.38

4. Polaroid Sheet

Polaroid sheet mounted in square plastic frame.

Code	Pack	Price
241-518	Each	£12.35

5. Lascells Polaroid Analyser

The Polaroid analyser gives a convenient method for analysing polarisation of light and stress in suitable materials.

The Polaroid sheet acts like a "grid" and allows only light waves oscillating in one plane to pass through. If another Polaroid sheet is placed in front of the first, and aligned in the same direction, the polarised light from the first will pass through the second since the waves are in the correct plane. If the second Polaroid is rotated through 90° none of the waves will be able to pass and little light is transmitted. This system is known as "crossed polarisers" and is used in this apparatus.

OP1018 stress structure set is a set of four additional shapes for use with the Polaroid analyser and a sheet of material 200 × 200 × 2mm from which other shapes may be cut.

Code	Description	Pack	Price
OP1020	Polaroid analyser	Each	£24.46
OP1018	Stress structures set	Each	£28.00

6. Refraction & Reflection Kit

Kit for studying reflection and refraction without the need for an optical bench, on a stable and convenient support. This kit comprises 1 metal support, 1 graduated disc dia. 230mm and a transparent and graduated semi-cylindrical tank of 200mm diameter, 1 solid D prism and 1 mirror.

Code	Pack	Price
PY2022	Each	£96.91

