1. Adjustable Single Slit

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

Code	Pack	Price
PH0686	Each	£13.07

2. Polaroid Film

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

Code	Dims, mm	Pack	Price
PY1020	50 x 50	Each	£23.35
PY1022	150 x 150	Each	£57.71

3. Polaroid Sheet

Polaroid sheet mounted in square plastic frame.

Code	Pack	Price
241-518	Each	£8.71

4. 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	£25.68
OP1018	Stress structures set	Each	£18.91

5. Lascells Polarimeter

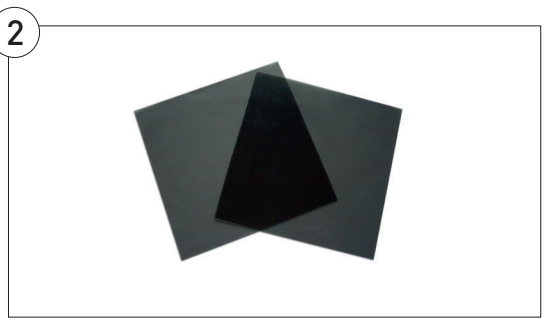
The polarimeter uses a monochromatic yellow LED light source and simplified construction. A 10cm long specimen tube contains the sugar solution, and this is placed in the body of the apparatus above the polariser and light source. The lid contains the second polariser and has a scale on the outer edge, so that as it is rotated the position for extinction can be found for different solution concentrations and the angle of rotation recorded.

Code	Pack	Price
PHY1002	Each	£74.20

1



2



3



4 LASCELLS



5 LASCELLS NEW

