1. Optical Bench

The LED light source is powerful, cold, long life (<20,000h) and consumes very little electricity. Lenses or objects 50mm Ø are held securely in the lens holder with a screw ring to ensure precise positioning and avoid breakages.

PY1340 contains:

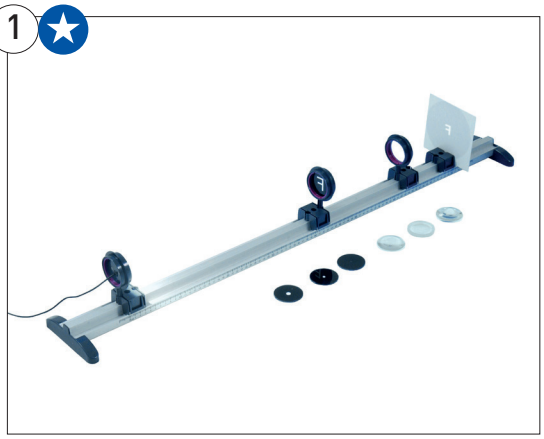
- 1 x rail, 1m graduated in mm
- 1 x cold LED light source, long life, on support, mains adapter
- 4 x lens holders
- 2 x diaphragms: Ø 3, 5 and 8mm
- 1 x set of lenses: F -100, +50, +100, +250mm
- 1 x white screen
- 1 x frosted screen
- 1 x letter F

PY1342 contains:

- 1 x rail, 2m graduated in mm
- 1 x cold LED light source, long life, on support, mains adapter
- 8 x lens holders
- 4 x diaphragms: Ø 3, 5 and 8mm
- 1 x set of lenses: F -100, -50, +50, +100, +200, +500mm
- 1 x white screen
- 1 x frosted screen
- 1 x letter F
- 1 x prism holder
- 1 x prism
- 1 x concave mirror
- 1 x convex mirror
- 1 x plane mirror

Code	Length, m	Pack	Price
★ PY1340	1	Each	£125.45
PY1342	2	Each	£243.23

1



2. Spectrum Tube Holder & Power Supply

Specially designed box holds the tube firmly and prevents the student touching the electrodes. A black panel behind the tube eliminates distracting ambient light and protects the tube from breakage. Operates on 220V AC 50Hz and suitable for 26cm spectrum tubes. Power supply suitable for spectrum tubes. Case with on/off and selector switch. Output 5kV 2-3mA.

Code	Pack	Price
PH1197A	Each	£119.00

2



3. Spectrum Tubes, 260mm

Spectrum tube, straight form, 260mm length with 50mm long fine capillary tube. It is recommended for use in conjunction with the Spectrum Tube Holder with Power Supply (code: PH1197A).

Code	Description	Pack	Price
PH1196B1	Oxygen	Each	£10.44
PH1196B2	Neon	Each	£10.60
PH1196B3	Helium	Each	£10.60
PHY1016	Nitrogen	Each	£10.43
PH1196B-8	Iodine vapour	Each	£10.52
PH1196B9	Hydrogen	Each	£10.52

3

