

1. 3B Kröncke Optical System

The Kröncke optical system provides robust reliability and offers all the precision needed for student exercises and practical courses in numerous experiments on ray and wave optics. The experiments are carried out in traditional fashion using the white light of a halogen lamp, the filament of which can be projected through an adjustable slit to observe interference in particular. All optical components are mounted in diaphragms with no stems and can easily be adjusted vertically and with precision into the optical light path when mounted on optical riders. Optical riders can freely move on the U-profile rail of an optical bench and can be attached with a minimum of force.

Ray optics:

- Pinhole camera
- Imaging with converging lenses
- Image aberrations
- Images in the eye (eye model)
- Correction of vision
- Magnifying glasses
- Microscopes
- Astronomical telescopes
- Terrestrial telescopes
- Slide projectors

Contents:

- 1 optical lamp
- 1 optical bench, 1000mm
- 6 optical slides
- 2 clamps
- 2 converging lenses, $f=50\text{mm}$
- 2 converging lenses, $f=100\text{mm}$
- 2 converging lenses, $f=150\text{mm}$
- 1 converging lens, $f=300\text{mm}$
- 1 converging lens, $f=500\text{mm}$
- 1 diverging lens, $f=-100\text{mm}$
- 1 diverging lens, $f=-500\text{mm}$
- 1 diaphragm with 1 slit
- 1 diaphragm with 3 slits
- 1 photograph in slide frame
- 1 transparent screen
- 1 white screen
- 1 set of 4 colour filters
- 1 ruler, 15mm
- 1 set of holes arranged to form the number "1"
- 1 pinhole aperture, $d=1\text{mm}$
- 1 pinhole aperture, $d=6\text{mm}$

An extension kit (SE1009700) is also available - see our website for more information.

Code	Pack	Price
SE1009932	Each	£772.95

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

