Construct, Conduct & Comprehend Physics Experiments

LEOK-8 Interference, Diffraction & Polarization Kit - Basic Model

- *8 fundamental experiments*
- *Detailed instruction manual*
- *Easy alignment*
- *Affordable price*

The LEOK-8 Optics Experiment Kit is developed for general optics education at affordable cost. It can be used to demonstrate eight experiments, covering interference, diffraction and polarization laws of light. With a 12 V/50 W halogen-tungsten lamp as the light source, bright experimental phenomena can be demonstrated.

Experimental Contents

1. Double-slit interference
2. Bi-mirror interference
3. Newton's ring interference
4. Single-slit diffraction
5. Multi-slit diffraction
6. Grating diffraction
7. Polarization by reflection
8. Polarization by polarizer

Part List

Bi-mirror	supplementary angle 8'	1
Double-slit	interval d=0.08 mm	1
Newton's ring	diameter 32 mm, r > 6 m	1
Single-slit	width 0.08 mm	1
Multi-slit	interval d =0.08 mm	1
Grating	100 l/mm	1
Polarizer	diameter 32 mm	2
Reflective glass plate	40 x 70 mm	1
Lens	f = 70 ± 5 mm	1
Light source single-slit	width 0.025 mm and 0.11 mm	1 each
Ground glass screen	110 x 90 mm	1
Holder		2
Newton ring supporter		1
Rotatable optical bench		1
Trapezoid pedestal		1
Short slide		2
Long slide		1
Light source	12 V/50 W	1
Observation tube	with internal magnifying lens	1

Note: above product information is subject to change without notice.

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