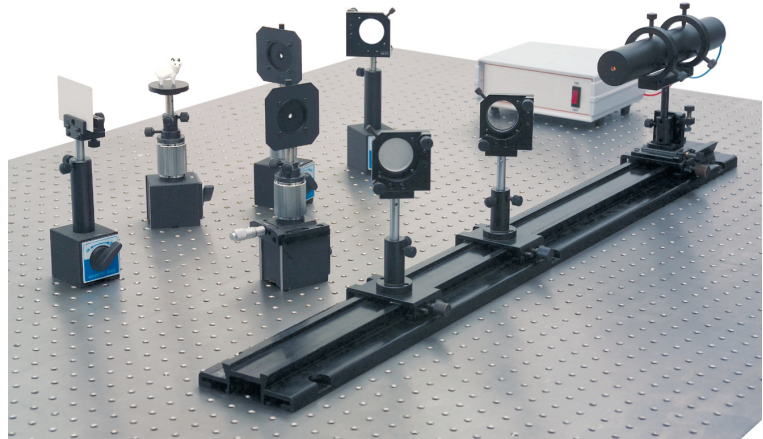


# LEOK-2 Holography & Interferometry Kit



- *Holography & interferometry*
- *Covering five experiments*
- *Comprehensive documents*
- *Include experiment setups, principles and procedures*
- *Cost effective solution*

The Holography and Interferometer Kit is developed for general physics education in universities and colleges. It provides a complete set of optical and mechanical components as well as light sources. Through selecting and assembling corresponding components into complete setups, students experimental skills and problem solving ability can be greatly enhanced.

The instruction manual contains comprehensive materials including experiment setups, principles, procedures and required parts with photos.

This kit allows students to perform five experiments which enable them to experimentally investigate and acquire practical familiarity with the fundamentals and application of holography and interferometry.

## Experiment Examples

1. Recording and reconstruction of Holograms
2. Creating a holographic grating
3. Constructing a Michelson interferometer
4. Constructing Sagnac interferometer
5. Constructing Mach-Zender interferometer

## Parts Included

Name	Part No./Specifications	Qty
<b>Mechanical Hardware</b>		
Optical Rail	LEPO-54-1	1
1-D adjustable slide	LEPO-54-2	3
2-D adjustable slide	LEPO-54-3	1
3-D adjustable slide	LEPO-54-4	1
Magnetic Base	LEPO-4	5
Two-Axis Tilt-able Holder	LEPO-8	3
Lens Holder	LEPO-9	2
Aperture Adjustable Bar Clamp	LEPO-20	1
Plate Holder A	LEPO-13	1
White Screen	LEPO-14	1
Loading Table	LEPO-21	1
<b>Optical Components</b>		
Lens Beam Expander	f =6.2 mm	1
Mounted Lenses	f =15, 225 mm	1 each
Plane Mirror	36mm×4 mm	3
Mounted Beam Splitter	5:5, 7:3	2, 1
Small Animal Object		1
<b>Light sources</b>		
He-Ne Laser	LLL-2/1.5mW@632.8nm	1

