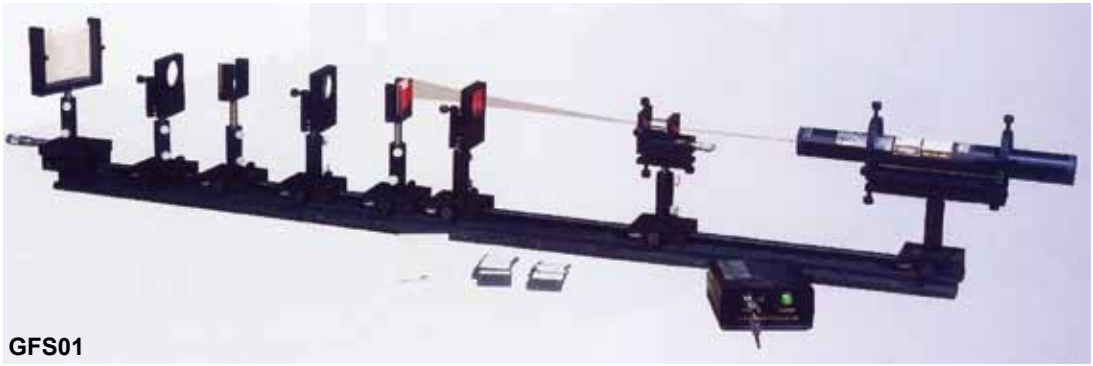
CHAPTER 10 EDUCATIONS

EDUCATIONS FOURIER OPTICS SYSTEM



GFS01

A tutorial system for Fourier Optics experiments, including Fresnel and Fraunhofer diffraction, spatial filtering, relay imaging, etc.

GFS01	Fourier Optics System	1Set
	Includes	
1	He-Ne Laser, 5.0mW(Random Polarization)	1
2	Precision Laser Mounts	
	Max. Dia,φ60.0mm(100pitch)	1
3	Precision Spatial Filter (W/Micrometer)	1
	Travel (X.Y)±2.0mm. Resolution 0.01mm	
4	Microscope Objectives,10X	1
5	Precision Pinhole,φ25μm (Low Power)	1
6	Adjustable Lens Holders, 5-75mm	3
7	Plate Holder, 100x125mm	1
8	Plate Holder, 50x50mm	2
9	Posts & Holders,φ12mm.A 75mm	6
10	Optical Bench, L 2.0m	1
11	Carrier With Translation Stages	7
	Travel 10.0mm(W/100Pitch Screw)	
12	Carrier, 77.0x88.0mm	1
13	Precision Translation Stage (W/Micrometer)	4
	Travel 25.0mm, Resolution : 0.01 mm	
14	Collimator Lens ,φ50mm, F 100mm	1
15	Fourier Lenses,φ50mm, F 300mm	2
16	Fourier Translation Plates(25 slides/set)	1
17	Screw Kit	1

Advanced Fourier Optics System

The FX15/5F FOURIER TRANSFORM SYSTEM meets the needs of the experimentalist on a very limited budget with a unique combination of hardware and software for a wide variety of applications. Economically priced, it is complemented by a Manual of 16 Articles/Experiment with test data and illustrations including Fourier Transform photos obtained with these lenses.

CONTAINS 1 Collimator and 2 Fourier lenses: 7.6cm diameter, f/5:
32 lines/mm resolution and λ/8 wavefront accuracy over central 3.8 cm aperture: lenses assembled in cells tapped for easy mounting. Pinhole spatial filter with 40X objective lens and 10μ removable, magnetically- held pinhole: will accept standard microscope objective lenses: micrometer drives provide smooth, precise, displacement of lens along stainless steel dual rails, and 63-page Text/Manual.