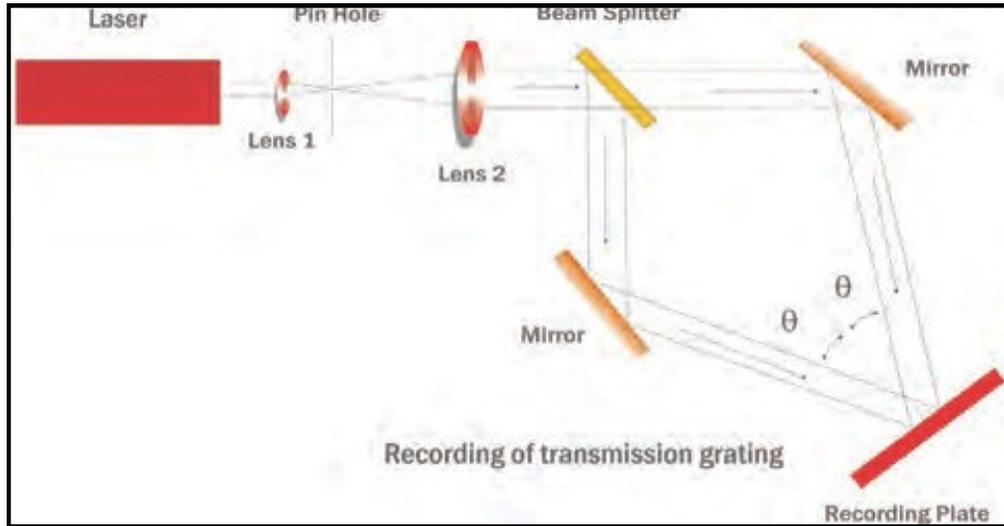


Holographic Lab

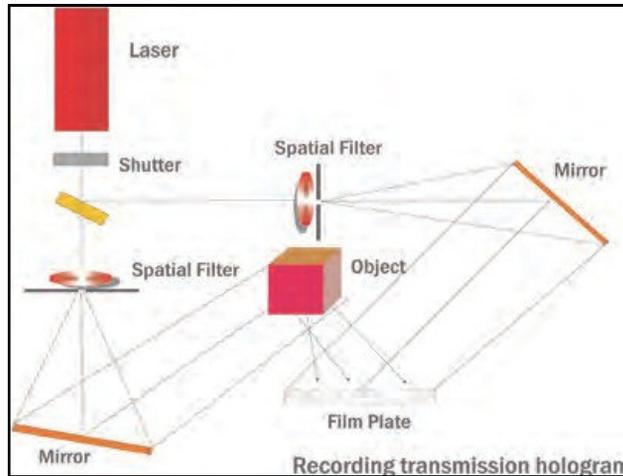
Model: HO-ED-H-02



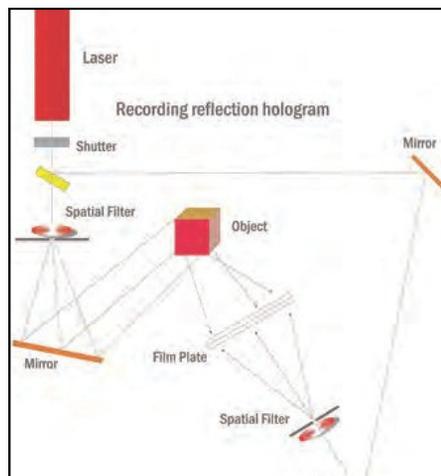
Experiment Possible



Recording of Diffraction Gratings



Recording and reconstruction of Transmission Holograms



Recording and reconstruction of Reflection Holograms

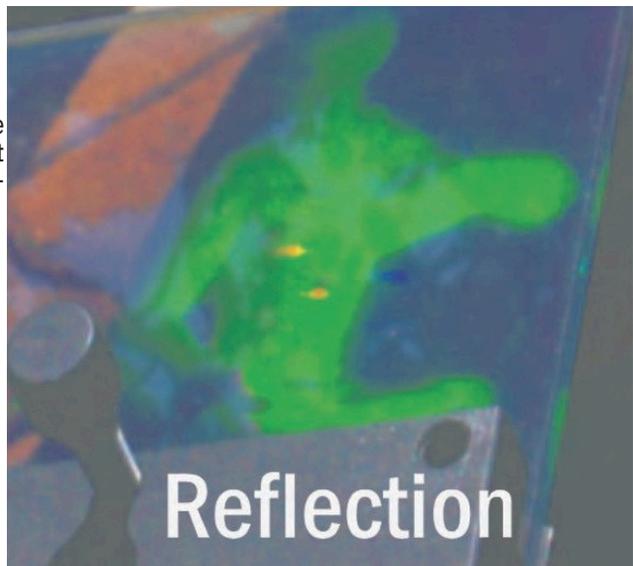
Transmission Holograms

A transmission hologram is one where the object and reference beams are incident on the photosensitive plates / films from the same side. A recorded transmission hologram can only be reconstructed using the same light source which is used for recording.



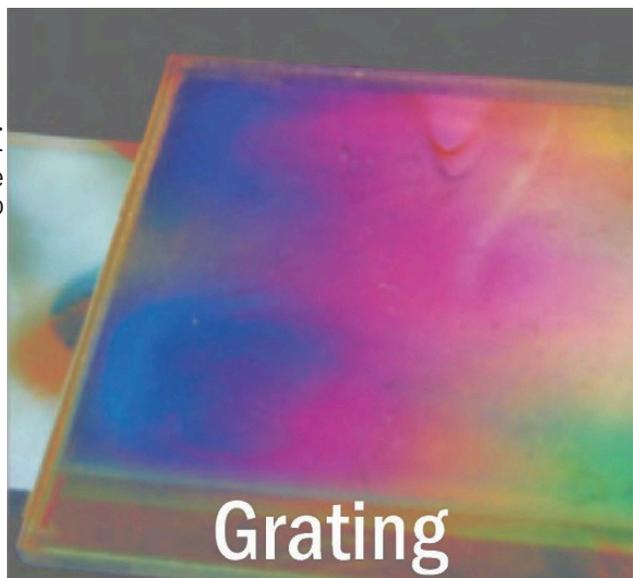
Reflection Holograms

A reflection hologram is one where the object and reference beams are incident on the plates from opposite sides of the plate. The reconstructed object is then viewed by white light from the same side of the plate where the white light is incident.



Holographic Transmission Gratings

A holographic transmission grating is one where two reference beams are incident on the plates from the same side. The resulting straight line interference fringes will get recorded by the plate. When a white light passes through the transmission grating, it will split the white light into its component spectrum.



Scope of Supply

<p>Optical Honeycomb Tabletop with Pneumatic Isolated Support</p> <p>Model No. : ED-H-02-OTPS Material : Stainless Steel Dimensions : 1800 x 1200 x 200 mm Quantity : 1 No.</p>		<p>Beam Steering device with Magnetic Base</p> <p>Model No. : ED-H-02-BSMB Material : Black anodized Aluminium alloy Adjustments : Using 80 tpi lead screws Adjustment Range : +/-3 degrees Quantity : 1 No.</p>	
<p>Mirror Mount with Magnetic Base - 25</p> <p>Model No. : ED-H-02-MMB25 Material : Black anodized Aluminium alloy Diameter : 25 mm Degrees of free- : 2 Degrees of freedom dom Quantity : 3 Nos.</p>		<p>Mirror Mount with Magnetic Base - 50</p> <p>Model No. : ED-H-02-MMB50 Material : Black anodized Aluminium alloy Diameter : 50 mm Degrees of freedom : 2 degrees Quantity : 3 Nos.</p>	
<p>Plate Holder with Magnetic Base</p> <p>Model No. : ED-H-02-PHMB Material : Black anodized Aluminium alloy Quantity : 1 No.</p>		<p>Spatial Filter assembly with Magnetic Base</p> <p>Model No. : ED-H-02-SFMB Microscope Objec- : 20 X tive Pinholes : 15 microns Quantity : 3 Sets</p>	
<p>Variable Beam splitter Mount with Magnetic Base</p> <p>Model No. : ED-H-02-VBMB Diameter : 75 mm Thickness : 3 mm Quantity : 1 No.</p>		<p>Object Holder with Magnetic Base</p> <p>Model No. : ED-H-02-OHMB Material : Black anodized Aluminium alloy Quantity : 1 No.</p>	
<p>Laser Clamp</p> <p>Model No. : ED-H-02-LC Material : Black anodized Aluminium alloy Quantity : 1 set</p>		<p>Mirror - 25</p> <p>Model No. : ED-H-02-M25 Diameter : 25 mm Thickness : 6 mm Material : Borofloat Coating : Protected Aluminium Quantity : 5 Nos.</p>	
<p>Mirror - 50</p> <p>Model No. : ED-H-02-M50 Diameter : 50 mm Thickness : 6 mm Material : Borofloat Coating : Protected Aluminium Quantity : 2 Nos.</p>		<p>Variable Beam Splitter</p> <p>Model No. : ED-INT-15-GP Diameter : 75 mm Thickness : 3 mm R / T ratio : Continuously variable from 0 - 90% Material : N - BK7 Coating : Aluminium Quantity : 1 No.</p>	
<p>Helium- Neon Laser (Red)</p> <p>Model No. : ED-H-02-HNLR Wave length : 632.8nm Optical power : 5 mW Polarization : Linear Quantity : 1 No.</p>		<p>Accessories</p> <p>Holography Plates (PFG-01) 60 Nos. Screens 4 Nos. Sample Objects 2 Nos. Plastic Trays 3 Nos. Bevel Protractor 1 No. Analog Stop watch 1 No. Developer Chemical 1 Set User Manual</p>	