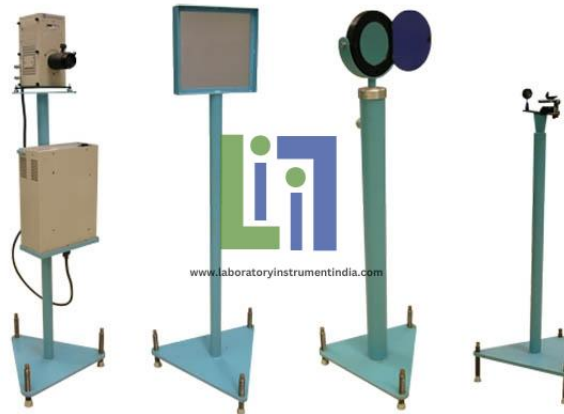




Email : sales@laboratoryinstrumentindia.com

Product Name :
Schlieren Systems

Product Code :
LBNY-0005-16200015



Description :

In supersonic flow, air experiences very large changes in density as it approaches, passes through and trails shock waves. As the density of air changes, so does its index of refraction. Schlieren Systems let you see shock waves as a combination of bright and dark areas. In the study of supersonic flow, shock and expansion waves are used to determine Mach number. Schlieren are optical inhomogeneities in transparent materials. In most situations, however, they are virtually invisible to the naked eye.

Technical Specification :

Components:

Knife edge adjustable in all three axis and angle of inclination with fine adjustment knobs
Light source all-in-one solid state power supply and short-arc xenon lamp with lens, track-mounted adjustable aperture
Plain mirror first-surface to reflect the image to a convenient viewing location Viewing screen
Two telescope-quality parabolic mirrors frame mounted with fine adjustment knobs.



Laboratory Instrument India

