



Email : sales@laboratoryinstrumentindia.com

Product Name :
Polariscope Frame

Product Code :
LBNY-0005-17600016



www.laboratoryinstrumentindia.com

Description :

Polariscope Frame has integral slides into which fit quarter wave plates and polarisation filters. These plates and filters can be rotated through 90° to vary the colourisation seen by the user. The Polariscope Frame is a bench top mounted frame which allows the study of stress patterns and photoelasticity resulting from geometrical changes in loaded mechanical models. The frame can sit on top of a light box or overhead projector. Rubber mounting feet enable it to sit firmly onto the light source.

Experimental Capabilities:

Tensile loading of beams, perforated beams, plates, overlap element
Variation of stress colourisation
Photoelastic analysis of standard mechanical models
Rotational position of wave plate and filters
Analysis of Crane hook under tensile load.

Technical Specification :

Bench top unit for teaching of photoelastic principles
Wave plates and filters to easily slide in frame
A variety of mechanical specimens supplied
Unit to be mounted on light box or overhead projector
To have fine tuning loading mechanism using loading spring, dial gauge and screwjack
To be supplied with quarter wave plates and polarisation filters
Adjustable loading mechanism

Wave plates and filters can be rotated through 90° to vary colourisation.



Laboratory Instrument India