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**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  $90^\circ$  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

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Wave plates and filters can be rotated through  $90^\circ$  to vary colourisation.



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