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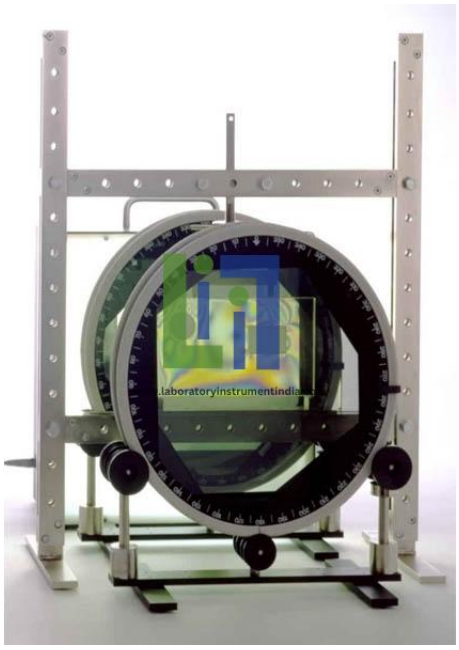
Product Name : Photoelastic Experiments With A Transmission Polariscope	**Product Code :** LBNY-0005-1270006



Description :

It is used both for quantitative measurements and for demonstrating complex stress states. Photoelasticity is a proven method of analysing and recording mechanical stresses and strains in components. The components used are models made of a transparent, photoelastically sensitive plastic, which becomes optically birefringent under mechanical load.

Features:
Generate stress patterns with linear or circular polarised light
Monochromatic or white light.

Technical Specification :

Learning Objectives And Experiments:
Generate plane stress states in various models under load: bending, tensile load and compressive load
Interpret photoelastic fringe patterns: stress concentrations, zero points, neutral strands, areas of constant stress and stress gradients
Together with the accessories or your own models:
Investigate stress distributions with linear or circular polarised light
Graphically and computationally determine the stresses.

Laboratory Instrument India