



Email : sales@laboratoryinstrumentindia.com

Product Name :
Combined Bending And Torsion Apparatus

Product Code :
LBNY-0005-17600025



Description :

Combined Bending And Torsion uses specially machined necked specimens which are clamped at one end to the base plate and at the other end to a counterbalanced circular loading plate. Regular interval graduations on the loading plate allow a special hanger to locate. The object of this experiment is to determine what levels of Combined Bending And Torsion cause elastic failure in different materials, and to compare them with various theories of failure. The specimen deflection is measured by a dial gauge mounted diametrically opposite the load point. A set of calibrated weights is supplied along with a set of test specimens. Further test specimens are available separately. The special hanger enables pure bending, pure torque or a combination of both to be applied depending on the position of the hanger.

Experimental Capabilities:

To compare the results with the established theories of failure.

To determine elastic failure of a specimen subjected to several ratios of bending and torsion simultaneously.

Technical Specification :

Combined Bending and Torsion Apparatus uses specially machined Specimens which are clamped at one end to the base plate and at The other end to a counterbalanced circular loading plate. The object of this experiment is to determine what levels of combined bending and torsion cause elastic failure In different materials, and to compare them with various theories Of failure.

Laboratory Instrument India

