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Product Name :
Torsion Testing Machine (100Nm)

Product Code :
LBNY-0005-1760006



Description :

The Torsion Testing Machine exhibited to the test specimen is measured using strain gauge technology. The output from the strain gauges is fed directly into the Data Acquisition Interface supplied, which reads torsion directly in Nm. The input angle of twist is recorded on an integral protractor and a rotary potentiometer that connects to the Data Acquisition Interface supplied. Test specimens of up to 350mm can be loaded between the torsion head and fixing head using standard hexagon drives. Torsion Testing Machine for manually applying torque to test specimens until failure occurs. Torque is applied to differing material test specimens using hand operated gearbox. The fixing head slides along the base.

Experimental capabilities:

Torsional loading to failure of varying material specimens
Determination of the Modulus of Rigidity and Yield shear stress
Working with the elastic torsion equation
Comparison between actual and theoretical results
Torsional variation due to material, cross sectional area.

Technical Specification :

Torque is applied to differing material test specimens using hand operated gearbox.
An apparatus for manually applying torque to test specimens until failure occurs.

Laboratory Instrument India

