



Email : sales@laboratoryinstrumentindia.com

Product Name :
Compression Of Springs Apparatus

Product Code :
LBNY-0005-17600024



Description :

The deflection of a spring depends on the load applied to it, an observation enshrined in Hooke's Law. Applications of springs are found in spring balances which indicate loads by measuring spring deflections and in car suspensions where they absorb energy caused by wheel vertical movement due to potholes and bumps. Compression of Springs Apparatus are used in engineering to store energy or to provide restoring forces. Both compression and tension springs may be encountered.

Experimental Capabilities:

Using the optionally available compressive spring set the dependence of spring stiffness on the wire diameter, spring diameter, length, number of turns and material can be observed and calculated
To determine spring stiffness using measured experimental results and formulae provided
To test the relationship between the load applied and the change in compressive length of a spring
Load versus compression graphs
Action of springs.

Technical Specification :

Load applied to spring using calibrated weights set and hanger
Determination of spring stiffness
Wall mounted compact unit to test springs up to 200mm long and 38mm diameter
Adjustable compression indicator
Integral compression scale
Single compression spring supplied.



Laboratory Instrument India