

Product Name :
Spring Testing Apparatus

Product Code :
NLAB-ENGINEERINGLB31001



Description :

Spring Testing Apparatus

Technical Specification :

Spring Testing Apparatus Lab Equipments Manufacturer, Suppliers & Exporters Spring Testing Apparatus .

Description

The Spring Testing Apparatus uses a fundamental variable mass and scale measurement to test springs. It shows students how to find the properties of a spring and proves some basic laws of physics (Hookes law, Newtons law and spring design rules). It is also a useful tool for a workshop, to check the properties of a spring before it is used, or after it has been used.

The apparatus is a compact metal frame with adjustable feet so the user can make the apparatus level. The back of the frame has a storage area for springs and masses. The front of the frame has a metric scale each side of a large slot, where the test spring hangs.

Students choose a spring and note its dimensions. They then slowly load the spring with the masses (included) and note its extension against the metric scale. Students use their results to find the properties of the spring and compare them with theory and the manufacturers details.

For more advanced studies, students can also do tests on springs in series and parallel

Standard Features

Supplied with comprehensive user guide

Manufactured in accordance with the latest European Union directives

Experiments

Spring rate and Hookes law

To prove the basic rules of spring design

A simple spring scale

Springs in series

Springs in parallel

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