

Mikrotech



Mikrotech Electronic Spring Tester (EST) is a cost effective solution to the ever-increasing demands in the force measurement market. Mikrotech Spring Tester has been designed and built to high standards to meet a wide range of Spring Testing requirements in Production and Quality Control departments. Springs can be tested in tension or compression, with digital and analogue data output for load and deflection. The compact and versatile attributes, coupled with high design standards make it an ideal precision tool for checking springs accurately with high repeatability.

The equipment consists of a manually operated test stand with a dovetail crosshead for mounting Advanced Force Gauge. A Dial Gauge fitted to the test stand facilitates in measuring the amount of deflection. Provision has been made in the Advanced Force Gauge to mount compression plate/Tension hooks for holding springs while loading. The flat and hard compression plates/tension hooks are centrally mounted in the Advanced Force Gauge to ensure axial loading of springs.

The Advanced Force Gauge has high resolution and speed together with many other advanced features like alarm settings for pass and fail, force values in various units, peak force display etc. However, it may still be used as a straight forward instrument without dedicated user knowledge.

Design Features :

- Versatile • Portable • Easy to use • Compact and Robust
- High accuracy/resolution • Digital/analogue data
- Pass/fail alarm • Peak force display
- Multiple units of measurements and many other features.

Design Specification :

Test stand capacity	: 100 Kgs.
Measuring range	: 270 mm
Crosshead travel	: 4.2 mm per handle revolution
Dial Gauge L.C.	: 0.01 mm
Force resolution	: 1 part in 5000
Weight	: 20 Kgs.
Accessories Supplied	: 0-64 mm compression plate 1 Swivel hook 1 fixed hook

(Custom built models available on Demand)

Application :

Apart from testing springs in tension and compression, Mikrotech Spring Tester is also suitable for testing specimens other than springs, such as :

- Foamed Plastics • Aerosol Containers
- Textiles • Snap Caps
- Rubber • Crimped joints
- Plastics/Papers • Key Pads/Switches
- Adhesive bonds • Connector insertion/withdrawal



**KUDALE
INSTRUMENTS
PVT. LTD.**

'Vijaya Laxman' Bldg., 133D/2, Parvati Darshan Co-op. Hsg. Soc., Near Sane Guruji Smarak,
Sinhagad Road, Pune 411 030 (INDIA) Phone: 91-20-532923 / 531229. Fax : 91-20-531508.

Email : kcpl@pn2.vsnl.com / mikrotech.kudale@sm3.sprintpq.ems.vsnl.net.in



Mikrotech



**MIKROTECH
SALES & SERVICE**