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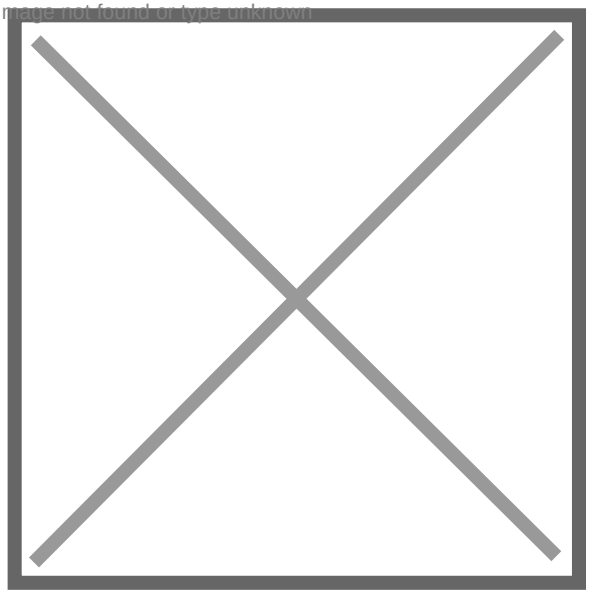
Product Name :

Apparatus for Demonstrating Hooke's Law (Determination of Elasticity Constant)

Product Code :

SCL-287/07

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Description :

Apparatus for Demonstrating Hooke's Law (Determination of Elasticity Constant) (Product Code: SCL-287/07) is a spring-extension stand used to verify Hooke's law and find the elasticity (spring) constant in school and college physics laboratories. It combines a tripod stand 700–900 mm high, spiral springs, 10 metal masses of 10–50 g, a metre strip and a digital stopwatch for both static and oscillation methods. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Stand	Tripod with a vertical metal rod and quadrangular base
Rod diameter	10–13 mm
Stand height	700–900 mm
Head rod	Insulating head rod
Masses	Box with 10 metal masses, 10–50 g
Measuring strip	Metre strip, 1.5–2 m
Springs	Spiral springs, 32.5 x 13.5 mm (L x D)
Timing	Digital stopwatch
Product code	SCL-287/07
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Hooke's Law Apparatus Used For?

In the static method, a spiral spring hangs from the head rod of the tripod and students add the metal masses one at a time, reading the extension against the metre strip after each addition. Plotting load against extension gives a straight line while the spring obeys Hooke's law, and the slope of that line is the elasticity constant.

The digital stopwatch allows a second, dynamic method: a mass is set bouncing on the spring, the time for several oscillations is measured, and the spring constant is found from the period. Comparing both results is a good check on accuracy for this Hooke's law spring kit. Add masses gently, keep the load within the spring's elastic range, and confirm the spring returns to its original length after each reading.

What to Specify When Ordering

- The number of sets — one per practical group is usual for this experiment.
- Whether spare spiral springs should be quoted, since springs are the part most often overstretched — ask us
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OEM