Email : sales@scilabexport.com
Phone: +91-7082934803

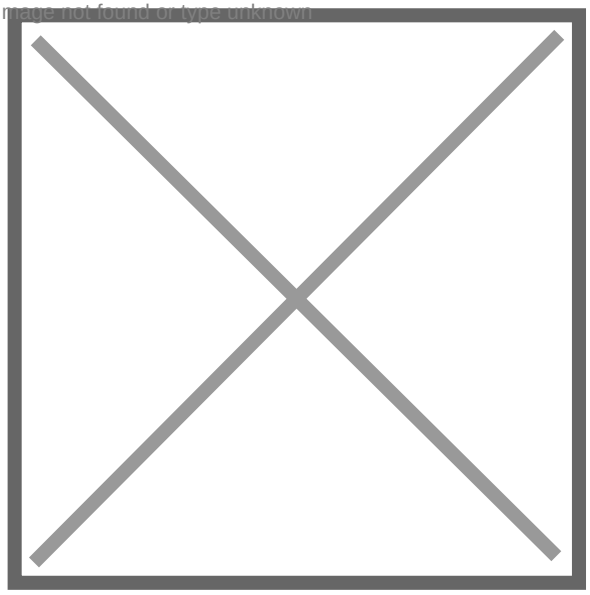
Product Name :

Apparatus for Demonstrating the Moment of Force

Product Code :

SCL-395/03

Image not found or type unknown



Email : sales@scilabexport.com
Phone: +91-7082934803

Description :

Apparatus for Demonstrating the Moment of Force (Product Code: SCL-395/03) is a stand-mounted disk and dynamometer set used to demonstrate the moment (torque) of a force and rotational equilibrium in school and college physics laboratories. A 245 mm disk on a 900 mm stand, 1 N and 2 N dynamometers and 10 metal weights of 10 g to 50 g let students measure forces and lever arms. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, anOEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Stand	Static metal base with a 10 mm diameter rod; triangular iron base
Height	900 mm
Rods	One rod with insulating head; one rod with hooks
Clamps	2
Disks	Fixed disk; disk of 245 mm diameter
Dynamometers	2 N and 1 N
Clip	Removable clip
Weights	Box of 10 metal weights, 10 g to 50 g
Measuring tape	1.5 m strip meter (a 2 m length is also listed)
Product code	SCL-395/03
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Moment of Force Apparatus Used For?

The apparatus makes torque something students can measure rather than just calculate. Weights are hung on the 245 mm disk at chosen distances from its axle and balanced by a dynamometer pulling on the other side; when the disk stays still, the clockwise and anticlockwise moments are equal. Reading each distance with the strip meter and each force with the 1 N or 2 N dynamometer turns the principle of moments into a numerical check.

Pulling the dynamometer at an angle shows that only the perpendicular distance to the line of action counts, a point that a straight lever rarely makes clear. As physics lab equipment for demonstrations, it is most stable with both clamps tightened so the stand cannot tip. Zero the dynamometers before each reading and keep loads within their 1 N and 2 N ranges.

What to Specify When Ordering

- The number of sets for your laboratory or demonstration room
- 2 m
- nd

Email : sales@scilabexport.com
Phone: +91-7082934803