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

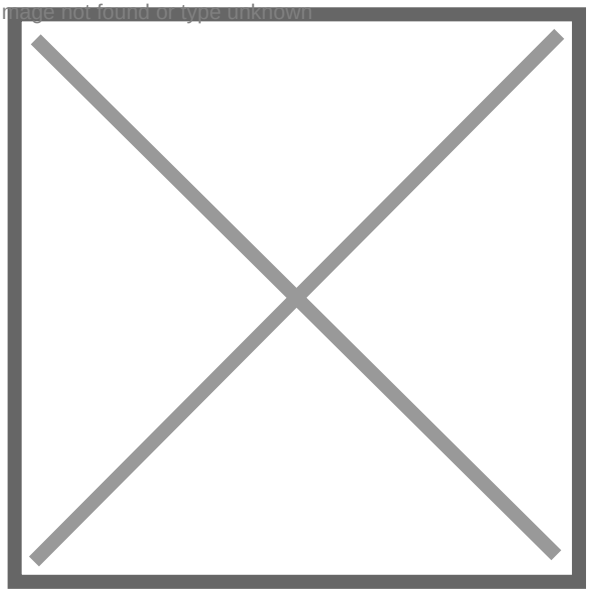
Product Name :

Disk for the Balance of Moments

Product Code :

SCL-387/07

Image not found or type unknown



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

Description :

Disk for the Balance of Moments (Product Code: SCL-387/07) is a pivoted aluminium moment disk used to demonstrate the principle of moments and rotational equilibrium in school andcollege physics laboratories. The machined 245 mm disk turns smoothly on a ball bearing in avertical plane, and its holes are set symmetrically in concentric circles so pins with scale pans canbe placed at known distances from the axis. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Disk	Well-balanced machined aluminium disk, 245 mm diameter
Rotation	Turns smoothly about its axis on a ball bearing
Mounting	Clamped on a tripod stand in a vertical plane
Bases	Triangular base; base for balancing the device
Holes	Placed symmetrically in concentric circles
Load points	Four pins carrying scale pans, insertable in any hole
Weights	Box of 10 weights with heavy hooks (listed as 50 g x 100 g)
Product code	SCL-387/07
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Moment Disk Used For?

Students push pins into chosen holes, load the scale pans with weights and let the disk settle. Because the disk is balanced and turns freely on its bearing, it only stays still when the total clockwise moment equals the total anticlockwise moment, which students check by multiplying each load by its horizontal distance from the centre. The concentric rings of holes make those distances easy to read and repeat.

Placing a pin above or below the horizontal line through the axle shows that a moment depends on the perpendicular distance to the line of action, not on the straight-line distance to the hole. Before each run, check that the empty disk rests in any position; if it drifts, clean around the bearing and re-level the stand. This makes the disk a clear piece of physics practical equipment for lessons on levers, torque and equilibrium.

What to Specify When Ordering

- The number of disks for your laboratory or demonstration bench.
- The weight values you need — the hooked weights are listed as 50 g x 100 g, so confirm the mix with us.
-

OEM

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