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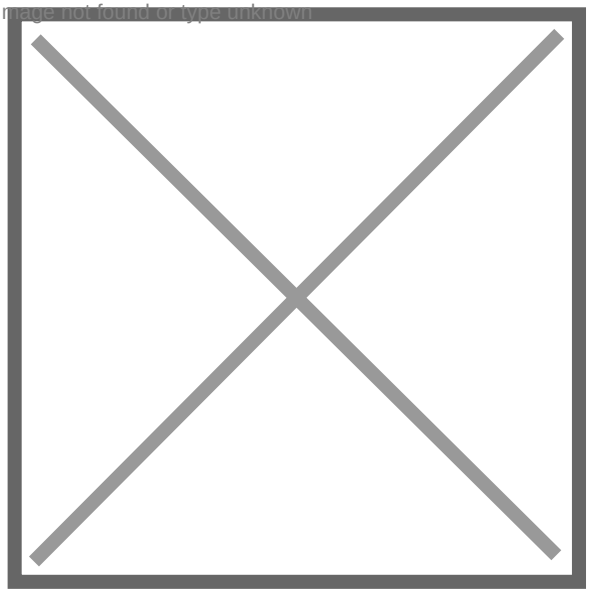
Product Name :

Set of Dynamometers

Product Code :

SCL-385/08

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Description :

Set of Dynamometers (Product Code: SCL-385/08) is a graded set of tubular spring balances used to measure forces in newtons and loads in grams in school and college physics practicals. Teachers choose it because six colour-coded balances run from 250 g / 2.5 N up to 5 kg / 50 N, so one set covers both light and heavy loads. The set is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer and laboratory instruments supplier in India, at its own factory in Ambala.

Specifications

Parameter	Detail
Type	Acrylic, tubular spring balances (dynamometers) with a transparent tube
Measures	Force and mass
Scales	Dual scale on every balance: grams and newtons
Ranges and colour code	250 g / 2.5 N blue; 500 g / 5 N green; 1000 g / 10 N grey; 2 kg / 20 N red; 3 kg / 30 N white; 5 kg / 50 N yellow
Zero setting	Zero-adjustment device at the top of each balance
Loop and hook	Stainless steel suspension loop and load hook
Calibration	Balances are individually calibrated
Product code	SCL-385/08
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Set of Dynamometers Used For?

A dynamometer lets students hang a load or pull on an object and read the force straight off the newton scale, while the gram scale beside it shows the equivalent mass. Common practicals include weighing everyday objects, measuring the drag needed to slide a block across the bench (friction), finding the pull required along an inclined plane, and weighing a body in air and then in water to find the upthrust. Comparing the two scales also shows students that each kilogram reads about 10 N on these balances.

For the most precise readings, pick the lowest range that will carry the load: the 250 g / 2.5 N balance for small objects, the 5 kg / 50 N balance for heavy ones. Hold the balance vertically with the hook empty and set the pointer to zero before every series of readings, and never load a balance past its marked maximum, because an over-stretched spring no longer reads correctly. As school physics lab equipment in India and abroad, one set normally serves a student group through the whole mechanics course.

What to Specify When Ordering