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Phone: +91-7082934803

Product Name :

Dynamometer

Product Code :

SCL-583/01c



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Description :

Dynamometer (Product Code: SCL-583/01c) is a spring force meter that reads forces up to 5 N, with a scale marked both in newtons and in grams. Students hang a load from its hook, or pull an object with it, and read the force directly from the metal scale. This piece of physics labequipment for school India classrooms is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

Specifications

Parameter	Detail
Type	Spring dynamometer with plastic support
Maximum force	5 N
Newton scale divisions	0.1 N
Gram scale divisions	10 g
Scale	Metal scale with zero adjuster, reading in both grams and newtons
Body	Rectangular plastic body
Fittings	Suspension ring and load hook

Typical Use

Hang the dynamometer from its suspension ring, set the pointer to zero with the adjuster, then attach a load to the hook: students read the weight in newtons and the equivalent in grams on the same scale, which makes the link between mass and weight very clear. Adding masses one at a time and recording each reading also gives a quick demonstration that the spring stretches in proportion to the force applied.

Held horizontally, it becomes the pulling gauge in a friction experiment kit India teachers set up with a wooden block on a board: drag the block at a steady speed, note the force, then change the surface or the load and compare. Always re-zero when changing between vertical and horizontal use, and never pull beyond 5 N, as overstretching can permanently alter the spring.

Manufacturer

Jain Scientific Equipments Private Limited, based in Ambala, Haryana, and known to customers as ScienceLab, manufactures the dynamometer for school and college physics laboratories. ScienceLab is the trading name of the company (CIN U29309HR2020PTC087597), which manufactures at its licensed factory at 449, HSIIDC Industrial Area, Saha, Ambala (Factory Licence AMB-ONLINE-CHD-J-414). Learn more on the company profile.

Related Lab Equipment

Force measurements usually call for loads, supports and something to pull; these items fit the same practical: