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

Product Name :

Van de Graaff Generator

Product Code :

SLE/PHY/123



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Description :

Van de Graaff Generator (Product Code: SLE/PHY/123) is an electrostatic generator used to build up a large static charge on a metal dome for demonstrations of static electricity in schools and colleges. Students crank it by hand, so the charge depends on how hard and how long they turn, or run it from a laboratory DC supply up to 12V; the 23 cm dome is listed at 400kV. It ismade by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its ownfactory in Ambala, India.

Specifications

Parameter	Detail
Operation	Hand crank (supplied), or DC source from a laboratory power supply up to 12V
DC operation	Gives the user control of belt speed and charge
Dome diameter	23 cm
Voltage	400kV
Dimensions	63 x 25 x 25 cm
Weight	5.68 kg
Product code	SLE/PHY/123
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Van de Graaff Generator Used For?

The Van de Graaff Generator makes static electricity dramatic. As the belt runs, charge collects on the dome, and students can watch sparks jump to an earthed conductor, see strips of light paper or hair stand apart as like charges repel, and use an electroscope to show charge being transferred. Because the hand crank links effort directly to charge, it gives a true hands-on experience rather than a push-button demonstration.

For longer or steadier runs, drive it from a laboratory DC supply of up to 12V and set the belt speed to control how quickly charge builds. Work in dry air where possible, discharge the dome with an earthed conductor before anyone touches it, and keep the generator away from sensitive electronics. As a physics demonstration kit piece, it supports lessons on charge, electric fields and lightning.

What to Specify When Ordering

- Power mode — hand crank only, or also a laboratory DC power supply (up to 12V) for powered running.
- Companion items — electroscopes or other electrostatics apparatus to be quoted alongside.
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OEM

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