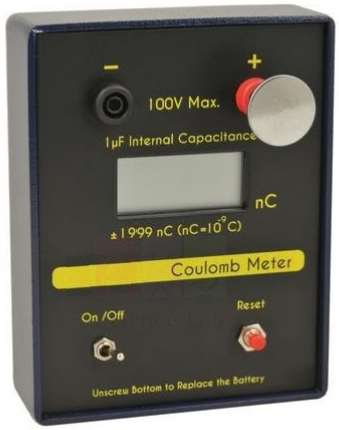
Email : sales@scilabexport.com
Phone: +91-7082934803

Product Name :

Digital Coulomb Meter

Product Code :

SLE/PHY/156



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

Description :

Digital Coulomb Meter (Product Code: SLE/PHY/156) is a digital instrument used to measure electric charge in nanocoulombs in physics laboratories and electrostatics lessons. It displays up to 1999 nC with an accuracy of ±10 nC, showing the charge deposited into it by a current through a resistance, from a capacitor or from a source of static electricity. It is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, as part of its physics lab equipment in India.

Specifications

Parameter	Detail
Measures	Electric charge (coulombs deposited into the instrument)
Display range	Up to 1999 nC
Accuracy	±10 nC
Charge sources	Current through a resistance; a capacitor; a source of static electricity
Product code	SLE/PHY/156
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Digital Coulomb Meter Used For?

Electrostatics is usually taught with leaf electroscopes that only show "more" or "less" charge; a coulomb meter puts a number on it. Students can charge a rod by friction, transfer the charge to the meter and compare materials, or sample the charge on a Van de Graaff generator. With a capacitor, they charge it to a known voltage, discharge it into the meter and use Q = CV to find the capacitance. It is one of the more specialised digital measuring instruments in a school or college physics lab.

Because the stated accuracy is ±10 nC, experiments that deposit charges well above that figure give a smaller percentage uncertainty than very small charges. Work in dry conditions where possible, since damp air lets static charge leak away before it can be measured, and keep readings within the 1999 nC display range.

What to Specify When Ordering

- Number of meters, for teacher demonstration or for student groups.
- The charge sources you plan to use, such as friction rods, a Van de Graaff generator or capacitors.
- Whether you need a calibration certificate — ask us whether one can be provided before ordering.
- Delivery destination in India or abroad.

Manufacturer

Jain Scientific Equipments Private Limited, which trades as ScienceLab, manufactures the Digital Coul rs and i electr s it will h

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