



OMEGA TYPE ECM - 110 Electronic Coulomb-meter is suitable for charge measurement in the range of 10nC to 10 μ C. It uses a large 4½" x 2¼" rectangular meter for easy reading. For good many experiments it replaces conventional Ballistic Galvanometer. While using Ballistic Galvanometer, much of the time, care and thought of the students goes to it, so that the actual measurement becomes secondary. To overcome this, an electronic device was developed which is mechanically steady and gives a steady deflection in an output meter proportional to the charge fed into it. The electronic device is essentially, an amplifier and an integrator followed by a buffer. The integrated charge get stored in a capacitor and the voltage across the capacitor is measured using a voltmeter through a unit gain amplifier (buffer).

FEATURES

- 01 Easy to use
- 02 High sensitivity
- 03 Steady deflection in an output meter proportional to the charge fed into it.
- 04 Solid state design consisting of an amplifier, an integrator and a buffer.
- 05 Large scale meter.
- 06 Time saving.
- 07 Two Terminals are provided for capacitor..
- 08 Discharge switch provided.
- 09 Charge Switch Provided.
- 10 Meter Reset switch provided
- 11 Weight : 4.00Kg (Approx)
- 12 Dimension : W340 X H125 X D210.

SPECIFICATIONS

- 01 Range : 0 – 1 μ C, 0 – 10 μ C
(Switch selectable)
- 02 Resolution : 10-8 C/div at 0-1 μ C range
- 03 Accuracy : \pm 5%
- 04 Input Supply : 230V \pm 10% AC at 50Hz.

We are committed to the continuous development of our products, and therefore reserve the right to amend specifications without prior notice.

OMEGA ELECTRONICS

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