Electrostatic Field Measurement Meter
MCE 34

Data sheet

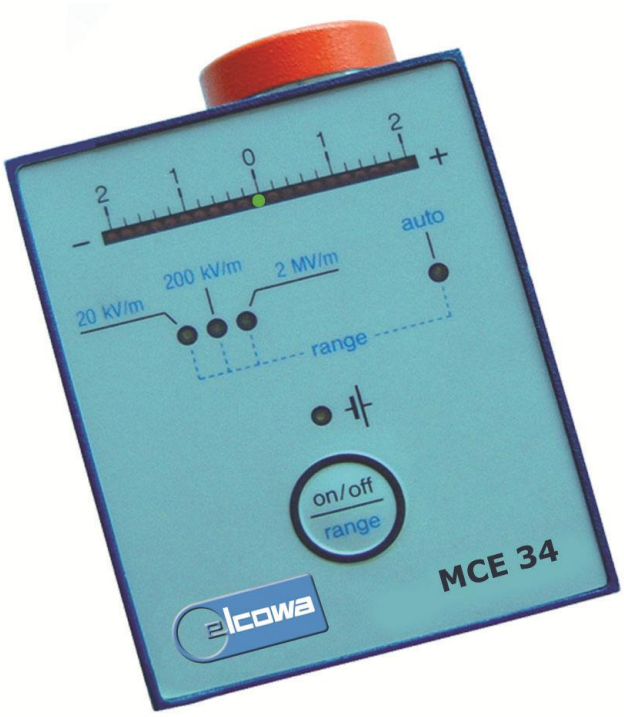
Electrostatic Field Measurement Meter MCE 34

This device measures electrostatic fields. It comes with an analogue display, three measuring gauges and a large field mill which provide for accurate measurements.

General points about static electricity Electrostatic charges currently represent a very real problem for many workplaces. If, as the evidence suggests, modern micro-electronics (components integrated) are particularly sensitive to them, other industrial sectors are also significantly affected: telecommunications, plastics and explosives. This problem causes a great deal of time to be lost, creates considerable financial losses and can affect people's health.

Charges much greater than 10,000 volts can build up on people, clothing, materials and equipment. However, it only takes an accumulation of 100 V to damage electronic components. Charges of 3,000 volts and more can cause sparks which can trigger an explosion in an dangerous environment.

Presentation The enclosure of this device is made from aluminum which means that it is both light and solid. The influence measurement electrode is star-shaped. A modulation rotor connected to the earth and with the same star shape, rotates close to it. A system of annular electrodes surrounding the influence electrode provides mechanical protection.



- Efficient
- Strong
- Proven reliability
- Standard version
- Made to measure and delivered quickly

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TECHNICAL DATA

Measurement ranges:
+/-20 kV/m ; +/-200 kV/m ; +/-2 MV/m.

Technical features:

Power supply
Integrated NiCD 6 V battery (3-hour battery life) and 220 VAC charger.

Charge indicator
An LED lights up when the device's battery is running low. As soon as it is lit, the battery will last for another 20 minutes.

Sizes
L x H x D: 80 x 100 x 38

Weight
370 grs

Use

The functions of the device are activated using a single button.

- Connect the device to earth, remove the protective cover of the modulator and aim at the target to be measured. For greater measurement accuracy, the distance should be minimized.

- The device is powered by the simple touch of an automatic button and the most sensitive gauge is selected.

- The gauge is changed by repeatedly pressing the button until the desired gauge is obtained: 20 kV, 200 kV, 2 MV or auto. On the auto gauge, the device automatically selects the adapted gauge.

- The device is stopped by keeping your finger on the button. Replace the protective cover of the modulator.

Calibration

You are advised to calibrate this device once a year.

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