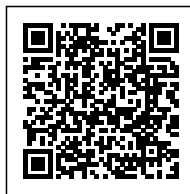


ESD E-FIELD METER WITH WALKING TEST KIT



SKU: EL73728



ELECTROSTATIC FIELD METER WITH WALKING TEST KIT

Digital electrostatic field meter with walking test accessories for detecting the levels of charge generated by the human body, in accordance with the IEC 61340-5-1 standard.

One-button operated. Guarantees precise measurements thanks to high-quality components.

The included ESD conductive plastic housing ensures optimum protection against electrostatic discharges.

Thanks to the **HOLD function**, measured values can be frozen in the display, allowing accurate measurements to be taken even in places that are difficult to access.

The meter also features an **analog output** (± 1 V), which is switched on in the manual E-field meter ranges.

Essential in environments such as electronics manufacturing, repair laboratories and other areas where sensitive electronics are handled. It helps to prevent damage to components, ensuring product quality and reliability.

Walking Test Kit

The included MK measuring head and portable electrode extend the meter's functions for the execution of walking tests.

In electronics, the term **"walking test"** refers to a technical check that **measures the electrostatic charge generated by a person's body while walking on an ESD safe floor, wearing ESD safe footwear**. It therefore allows you to verify whether the "person-shoe-floor" grounding system keeps the electrostatic charge of the human body below the limits prescribed by industry



standards.

During the test, **the operator walks while holding the electrode**, which is connected to the tester. This records the body voltage while walking and when the person stops.

Specifications

- Type of measurement: **Influence principle** (field mill principle)
- **Conversion of the measured field strength over the set measuring distance into the charge in Volts**
- Adjustment accuracy: < 5%
- Very high zero point stability (compared to other systems): adjustment before each measurement is not necessary
- Standard measuring distance: 2 cm
- Measuring range: 0 to ± 200 kV (**DISTANCE** mode), 0 to 1 MV/m (**FIELD STRENGTH** mode)
- Manual **E-FIELD METER** measurement mode:
 Selectable ranges (with this function, the analog voltage output ± 1 V is switched on): ± 20 kV/m, ± 200 kV/m, ± 1 MV/m
 Output: ± 1 V ($R_i > 1$ kOhm) proportional to the measured field strength
 Output voltage: ± 1 V ($R_i > 1$ kOhm)
- LCD display resolution: 2 lines, 12 alphanumeric digits
- Operating mode: Battery - Operating time: approx. 10 hours with alkaline battery
- Permanent battery voltage monitoring with **automatic shutdown**
- ESD safe: Yes
- Dimensions: 70 x 122 x 26 mm.

Scope of delivery: Electrostatic field meter, Portable ESD safe case with foam insert, NiMH battery (9 V), Plug-in charger, MK measuring head, Hand electrode, Tester stand, Silicone cable (2 m), Grounding cable (Banana/Banana + Alligator clip), User manual.