

ESD audit kit Basic for resistance and field measurement - A1-ESD EP0201041

Item no. EP0201041

Manufacturer A1-ESD

Comprehensive measuring-case set for the professional auditing of ESD protected areas (EPA). It combines the precise EP-TOM8600-ME teraohmmeter for resistance measurement with the EP-EFM823 field meter for field measurement, enabling complete, standard-compliant checks per IEC 61340.

TECHNICAL DATA

Ausführungsklasse	ESD (antistatic)
HS-Code	90303900
Norm	IEC 61340-5-1, IEC 61340-4-1
Sales unit	1 Set
Weight	10 kg



STANDARDS & COMPLIANCE

ESD safe IEC 61340 IEC 61340-4-7

DESCRIPTION

The A1-ESD ESD audit kit Basic is a measuring-case set for the professional inspection and auditing of ESD control measures in the EPA. It combines resistance and field measurement in a sturdy aluminium case and delivers standard-compliant documentation per IEC, EN, DIN and VDE.

KEY BENEFITS

- **Two measuring principles in one case:** resistance measurement and field measurement for complete EPA audits.
- **Standard-compliant:** adjustable measuring time for IEC, EN, DIN and VDE.
- **Digital documentation:** KL-ReadOut PC software for capturing, managing and producing audit reports.
- **Ready to use:** complete accessory package in a sturdy aluminium case.

EP-TOM8600-ME TERAHOHMMETER

- Measures surface and resistance-to-ground values plus relative humidity and temperature
- High-precision current-voltage method with adjustable measuring time (IEC, EN, DIN, VDE)
- Test voltage switchable manually or automatically

- Internal memory for up to 50 readings, USB interface and KL-ReadOut PC software

EP-EFM823 FIELD METER

- Compact one-button operation in an antistatic, EPA-compliant housing
- Analogue output (+/-1 V) for external data acquisition
- Direct determination of voltage potential via selectable measuring distances (1 cm up to 10 kV, 20 cm up to 200 kV)
- Hold function to freeze the current reading

SCOPE OF DELIVERY

- EP-TOM8600-ME teraohmmeter and EP-EFM823 field meter
- Charge plate and high-voltage generator for the EP-EFM823
- Plug-in power supply (230 V) and NiMH batteries for both devices
- Two Teflon-insulated test leads (1 m each) and two measuring electrodes (2.5 kg) per EOS/ESD-S4.1 and S7.1
- USB cable, A/D converter USB stick and KL-ReadOut PC software
- Manuals, calibration certificate and aluminium carrying case

APPLICATIONS

- Periodic audits and documentation in ESD protected areas (EPA)
- Testing of floor coverings, table mats and clothing
- Ioniser effectiveness measurement per IEC 61340-4-7
- Quality assurance in electronics production

STANDARDS AND COMPLIANCE

Suitable for testing per the IEC 61340 standard series, including IEC 61340-4-7 for ionisers; measuring electrodes per EOS/ESD-S4.1 and S7.1.