

Electrostatic field meter with analogue output and case, 0 to 200 kV - A1-ESD EP0201013

Item no. EP0201013

Manufacturer A1-ESD

The EFM 823 combines all EFM 822 functions and adds a ± 1 V analogue output for recording readings. Three manually switchable field-meter ranges and a max-value memory support the walking test.

TECHNICAL DATA

Ausführungsklasse	ESD (antistatic)
Country of Manufacture	Germany
Depth	122
Height	26
Norm	DIN EN 61340-4-5, IEC 61340-5-1
Sales unit	1 Set
Weight	0.139 kg
Width	70



STANDARDS & COMPLIANCE

ESD safe IEC 61340-5-1

DESCRIPTION

The EFM 823 electrostatic field meter measures static charges without contact and offers all EFM 822 functions. It additionally has a ± 1 V analogue output that is enabled in the manual field-meter ranges and allows readings to be recorded.

Supplied in a practical case kit (ZBS), the meter is ready to use for checking electrostatic charges at ESD workstations.

KEY BENEFITS

- ± 1 V analogue output proportional to field strength for external recording
- Menu-driven distance pre-selection with five distances, no manual conversion
- Hold function and very high zero-point stability
- Max-value memory for positive and negative peaks (walking test)

TECHNICAL SPECIFICATIONS

- Measuring range: 0 to ± 200 kV (1 cm 10 kV, 2 cm 20 kV, 5 cm 50 kV, 10 cm 100 kV, 20 cm 200 kV)

- Manual field-meter ranges: ± 20 kV/m, ± 200 kV/m, ± 1 MV/m
- Analogue output: ± 1 V ($R_i > 1$ kOhm) proportional to field strength
- Display: two-line alphanumeric LCD, 12 characters per line
- Power: 9 V NiMH battery IEC 6F22
- Dimensions: 122 x 70 x 26 mm (L x W x H)
- Weight: approx. 139 g (without battery)

SCOPE OF DELIVERY

- EFM 823 meter with ± 1 V analogue output
- Carry case and plug-in charger
- 2 x 9 V batteries
- Coiled grounding cable with crocodile clip
- Output cable with jack plug

APPLICATIONS AND STANDARDS

Used for checking electrostatic charges within an ESD control programme to IEC 61340-5-1.