

Charged plate monitor with plate electrode and battery operation - A1-ESD EP0201082

Item no. EP0201082

Manufacturer A1-ESD

The CPM 8374B charged plate monitor verifies ionisers using its built-in 150 x 150 mm plate electrode and integrated electrostatic field meter. It measures offset voltage and decay times and stores readings for later analysis via RS 232.

TECHNICAL DATA

Ausführungsklasse	ESD (antistatic)
Depth	152
Height	152
Norm	IEC 61340-4-7, EN 61340-5-1
Sales unit	1 Set
Weight	0.99 kg
Width	152



STANDARDS & COMPLIANCE

ESD safe IEC 61340-4-7 EN 61340-5-1 IEC 61340-5-1

DESCRIPTION

The CPM 8374B charged plate monitor verifies the effectiveness of air ionisers directly at the workstation. Using the integrated plate electrode (150 x 150 mm) it determines the offset voltage and the decay time from a pre-selected threshold to a lower value (default +/- 1000 V to +/- 100 V), making the neutralising performance of the ioniser traceable.

BENEFITS

- Built-in electrostatic field meter on the field-mill induction principle with high input impedance of 10^{15} ohm
- High-voltage unit isolated through high impedance and therefore safe to touch
- Mains or battery operation for stationary and mobile use
- Menu-guided two-button operation with two-line LCD display
- Reading storage in internal EEPROM, readout via RS 232

TECHNICAL DATA

- Plate electrode: 150 x 150 mm
- Decay time measurement: +/- 1000 V to +/- 100 V (selectable)

- Input impedance: 10^{15} ohm
- Dimensions: 152 x 152 x 152 mm
- Weight: 990 g
- Display: alphanumeric, 2 lines x 16 characters
- Interface: serial RS 232 (9-pin SUB-D socket)
- Power: battery pack 7.2 V / 1300 mAh, run time approx. 4 h, external 12 V DC / 750 mA
- Charging time: max. 14 h
- Automatic shut-off approx. 5 min after measurement

SCOPE OF DELIVERY

- CPM 8374B charged plate monitor in a conductive-plastic carry case with antistatic foam insert
- Plug-in power supply 230 V~ / 50 Hz to 12 V DC / 750 mA
- Grounding cable with clip, 3 spacers, PTFE-coated measuring lead with tuft plug
- Serial PC cable and KL-ReadOut software
- Operating manual and calibration certificate

STANDARDS AND COMPLIANCE

The instrument conforms to IEC 61340-4-7, EN 61340-5-1 and EOS/ESD S3.1 and supports the periodic verification of ionisation equipment in EPA areas to IEC 61340-5-1.