

## Safeguard Electric Field Meter Verification Kit incl. aluminum case



With the Verification Kit from SafeGuard, the complete range of precise measuring systems is available. The SafeGuard electric field meter guarantees precise measurements thanks to high-quality components and the conductive plastic housing for optimum protection against electrostatic discharge (ESD). At the upper end of the device there is a star-shaped influence electrode, with a modulation impeller of the same star shape rotating at a short distance in front of it. The induction electrode is enclosed by a ring electrode system which serves as mechanical protection for the modulation impeller and the field plate. The display on the front is a 2x 12-digit alphanumeric LCD display.

The Charge Plate Set turns the electric field meter into a charge plate monitor for monitoring air ionizing units in accordance with DIN EN 61340-5-1 or EOS/ESD S.3.1. The CPS measures the discharge time from +1,000V ... +100V or -1,000V ... -100V with an integrated start-stop timer. Charging takes place via an external HV converter. The Volt Meter Set VMS extends this to a precise walking test kit, consisting of the voltage measuring head MK, a hand electrode and the appropriate accessories. The ESD Walking Test Kit is primarily used for measuring personal charges and testing in order to prevent electrostatic discharge and reduce damage to sensitive components.

It is supplied in a high-quality, sturdy aluminum ESD carrying case with a foam insert for easy storage and safe transport.

- Type of measurement: Influence principle (field mill principle).
- Conversion of the measured field strength over the set measuring distance into the

charge in volts

- "One-button" operation
- Very high zero point stability: Necessary adjustment before each measurement is not necessary (compared to other systems)
- Permanent battery voltage monitoring with automatic shutdown
- Two-line, 12-digit alphanumeric LCD display
- Adjustment accuracy: < 5%
- Output voltage (only with man. E-field measurement):  $\pm 1V$  ( $R_i > 1k\Omega$ )
- Operating mode: battery operation
- Operating time: approx. 10h with alkaline battery
- Measuring range: 0 to  $\pm 200$  kV (distance mode), 0 - 1 MV/m (field strength mode)
- Output:  $\pm 1V$  ( $R_i > 1k\Omega$ ) proportional to the measured field strength (only in "E-Field Measurement" mode)
- Standard measuring distance: 2cm

<b>Item no.</b>	<b>WL73731</b>
Alternative article name	Safeguard SFM PRO VK
Manufacturer	SAFEGUARD
Manufacturer article no.	SFM PRO AKC
GPSR manufacturer data	Weidinger GmbH Hertha-Sponer-Str. 1a DE-82216 Gernlinden
Scope of delivery	<ul style="list-style-type: none"> <li>• Electric field meter (EFM) from SafeGuard</li> <li>• Sturdy aluminum case with foam insert</li> <li>• CPS set (plates, HV converter, stand)</li> <li>• WT-Set (voltage measuring head, hand probe, cable)</li> <li>• 2x 9V NiMH - rechargeable battery</li> <li>• Plug-in charger for 9V battery</li> <li>• Tapping clamp</li> <li>• Spiral cable</li> <li>• Instruction manual</li> </ul>
Sales unit	1 piece
Content unit	1 piece
Display type	digital
Measuring range	0 to $\pm 200$ kV (distance mode), 0 - 1 MV/m (field strength mode)
ESD compliant	yes