

## Safeguard electric field meter in an ESD case

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The SafeGuard electric field meter guarantees precise measurements for optimum protection against electrostatic discharge (ESD) thanks to its high-quality components and conductive plastic housing. 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 device is supplied in a high-quality, sturdy ESD case with a foam insert for easy storage and safe transportation.

- 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>WL73730</b>
Alternative article name	Safeguard SFM PRO ZBS
Manufacturer	SAFEGUARD
Manufacturer article no.	SFM PRO ZBS
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>• ESD case with foam insert</li> <li>• 2x 9V NiMH rechargeable batteries</li> <li>• Plug-in charger for 9V-battery</li> <li>• Coiled cable with tap terminal</li> <li>• Instruction manual</li> <li>• Calibration certificate</li> </ul>
Sales unit	1 piece
Content unit	1 piece
Incl. battery	yes
Display type	digital
Measuring range	0 to $\pm 200$ kV (distance mode), 0 - 1 MV/m (field strength mode)
ESD compliant	yes