

SMP2



Electromagnetic Field Meter



3 INSTRUMENTS IN 1:
Static field measurement, Spectrum analysis & Broadband field meter



FFT-BASED TIME-DOMAIN
Spectrum analysis



EMF WORKER'S SAFETY
EU Directive, FCC, SC6 (2015), etc.



BROADBAND MEASUREMENT
(0 Hz - 60 GHz)



Ready for 5G monitoring



Field probe range
from 0 Hz to 60 GHz

Spectrum analysis [FFT]
(up to 400 kHz)

Broadband measurements
(0 Hz - 60 GHz)

Field values:
X, Y, Z and Total

Graphical display
in real time

Dynamic menu

Weighted Peak Method (WPM)
Real time comparison with limits

> 1 million registers
SQL data base

Screenshot function

Fibre optics (optional)

USB

Available field probes



WAVECONTROL
Safety, Quality, Service



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SMP2 Applications



Industry



Telecommunications



Powerline



Railway



Medical



Labs



Aeronautical



Worker's safety



Defense



Technical Specifications

| | | |
|----------------------|--|--|
| Versions | Broadband | For broadband measurements using the following probes: WPFx, WPT, WP50, WPH60 and WPH1000. |
| | Selective | For frequency selective measurements from 0 to 400 kHz using WP400, WP400-3 and WPH-DC. |
| | Dual | For both kind of measurements using all field probes. |
| Field probes | Automatic detection and recognition | |
| Broadband | 0 Hz – 60 GHz (depending on field probe) | |
| Spectrum analysis | up to 400 kHz | |
| Weighted Peak Method | 1 Hz – 400 kHz (Real time WPM for direct comparison with limits) | |
| Readout values | Total field (instantaneous, max., min. and average) Field components (X, Y, Z) | |
| E Field units | V/m, kV/m, $\mu\text{W}/\text{cm}^2$, mW/cm^2 , W/m^2 , % | |
| H Field units | nT, μT , mT, T, A/m, %, mG | |
| Log time | Configurable (from 0.5 s to 6 min) | |
| Average modes | Fixed or Sliding, according to international standards | |
| Average intervals | 10 s, 15 s, 30 s, 1 min, 2 min, 5 min, 6 min, 10 min, 15 min, 30 min | |
| Schedule measurement | Customized (up to 24 hours) | |
| Memory capacity | More than 1 million samples | |
| Data downloading | Mini-USB and Fibre Optics | |
| Firmware updating | Mini-USB | |
| Alarm | 2400 Hz audible signal (adjustable threshold) | |
| Display type | Color transmissive TFT (480 x 272 pixels) | |
| GPS (optional) | Built-in u-blox 7 (56 independent tracking channels) | |
| Battery | Internal rechargeable Li-ion | |
| Autonomy | > 14 hours (with broadband probes) > 6 hours (with selective probes) | |
| Temperature range | -10 °C to +50 °C | |
| Size | 100 x 215 x 40 mm | |
| Weight | 575 g | |

SMP2 included accessories:

- "SMP2 Reader" PC software: Compatible with Windows 7 or later versions.
- SMP2 probes carrying case.
- USB cable.
- Charger.

SMP2 optional accessories:

- Non-reflective wooden tripod (including transport cover).
- Internal embedded GPS.
- Fiber optics interface.
- Vehicle DC charger.
- SMP2 protective pouch.
- SMP2 probe extension cable.

Product specifications and descriptions in this document subject to change without notice

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