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SMP2

Electromagnetic Field Meter



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



FFT-BASED TIME-DOMAIN
Spectrum analysis (up to 400 kHz)



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



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





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, G	
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	> 20 hours (with broadband probes)	
	> 6'5 hours (with selective probes)	
Temperature range	-10 °C to +50 °C	
Size	100 x 215 x 40 mm	
Weight	630 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.



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