

# SMP2



## Electromagnetic Field Meter



**2 INSTRUMENTS IN 1:**  
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 - 40 GHz)



**Field probe range**  
from 0 Hz to 40 GHz

**Spectrum analysis [FFT]**  
(up to 400 kHz)

**Broadband measurements**  
(0 Hz - 40 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



# 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 – 40 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, $\mu\text{W}/\text{cm}^2$ , $\text{mW}/\text{cm}^2$ , $\text{W}/\text{m}^2$ , %	
H Field units	nT, $\mu\text{T}$ , mT, T, A/m, %, mG, G	
Log time	Configurable (from 0.5 s to 6 min)	
Average modes	Sliding (continuous, normative) or Tumbling (fixed)	
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.

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