**SMP2**

**Electromagnetic Field Meter**

- **2 INSTRUMENTS IN 1:** Spectrum analysis & Broadband field meter
- **FFT-BASED TIME-DOMAIN** Spectrum analysis
- **EMF WORKER’S SAFETY**
  - 2013/35/EU Directive
- **BROADBAND MEASUREMENT**
  - (1 Hz - 40 GHz)

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**Available field probes**

- **E**
  - 100 kHz - 40 GHz
  - WPF3
  - WPF6/8
  - WPF18
  - WPF40

- **E**
  - 1 Hz - 400 kHz
  - WP400
  - WP400-3
  - WP50

- **H**
  - 300 kHz - 1 GHz
  - WPH60
  - WPH1000

- **E**
  - Mobile Bands
  - WPT

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- **Field probe range**
  - from 1 Hz to 40 GHz

- **Spectrum analysis [FFT]**
  - (1 Hz - 400 kHz)

- **Broadband measurements**
  - (1 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**
**SMP2 Applications.** Measurement of EMF in:

- Industry
- Telecommunications
- Powerline
- Railway
- Medical
- Labs
- Aeronautical
- Worker’s safety
- Defense

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**Technical Specifications**

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<tr>
<th>Feature</th>
<th>Details</th>
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<tr>
<td><strong>Versions</strong></td>
<td>Broadband, Selective and Dual</td>
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<tr>
<td><strong>Field probes</strong></td>
<td>Automatic detection and recognition</td>
</tr>
<tr>
<td><strong>Broadband</strong></td>
<td>1 Hz – 40 GHz (depending on field probe)</td>
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<tr>
<td><strong>Spectrum analysis</strong></td>
<td>1 Hz – 400 kHz (FFT)</td>
</tr>
<tr>
<td><strong>Weighted Peak Method</strong></td>
<td>1 Hz – 400 kHz (Real time WPM for direct comparison with limits)</td>
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<tr>
<td><strong>Readout values</strong></td>
<td>Total field (instantaneous, max., min. and average)</td>
</tr>
<tr>
<td></td>
<td>Field components (X, Y, Z)</td>
</tr>
<tr>
<td><strong>E Field units</strong></td>
<td>V/m, kV/m, μW/cm², mW/cm², W/m², %</td>
</tr>
<tr>
<td><strong>H Field units</strong></td>
<td>nT, μT, mT, T, A/m, %, mG</td>
</tr>
<tr>
<td><strong>Log time</strong></td>
<td>Configurable (from 0.5 s to 6 min)</td>
</tr>
<tr>
<td><strong>Average modes</strong></td>
<td>Sliding window, arithmetic and normative averaging according to international standards</td>
</tr>
<tr>
<td><strong>Average intervals</strong></td>
<td>10 s, 15 s, 30 s, 1 min, 2 min, 5 min, 6 min, 10 min, 15 min, 30 min</td>
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<tr>
<td><strong>Schedule measurement</strong></td>
<td>customized (up to 24 hours)</td>
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<tr>
<td><strong>Memory capacity</strong></td>
<td>More than 1 million samples</td>
</tr>
<tr>
<td><strong>Data downloading</strong></td>
<td>Mini-USB and Fibre Optics</td>
</tr>
<tr>
<td><strong>Firmware updating</strong></td>
<td>Mini-USB</td>
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<tr>
<td><strong>Alarm</strong></td>
<td>2400 Hz audible signal (adjustable threshold)</td>
</tr>
<tr>
<td><strong>Display type</strong></td>
<td>Color transmissive TFT (480 x 272 pixels)</td>
</tr>
<tr>
<td><strong>GPS (optional)</strong></td>
<td>Built-in u-blox 7 (56 independent tracking channels)</td>
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<tr>
<td><strong>Battery</strong></td>
<td>Internal rechargeable Li-ion</td>
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<tr>
<td><strong>Autonomy</strong></td>
<td>&gt; 14 hours (with broadband probes)</td>
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<tr>
<td></td>
<td>&gt; 6 hours (with selective probes)</td>
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<tr>
<td><strong>Temperature range</strong></td>
<td>-10 ºC to +50 ºC</td>
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<tr>
<td><strong>Size</strong></td>
<td>100 x 215 x 40 mm</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>575 g</td>
</tr>
</tbody>
</table>

**SMP2 included accessories:**
- “SMP2 Reader” PC software: Compatible with Windows 7 or later versions.
- SMP2 2-probes carrying case.
- USB cable.
- DC charger.

**SMP2 optional accessories:**
- Non-reflective wooden tripod (including transport cover).
- Internal embedded GPS.
- Fiber optics interface.
- Vehicle DC charger.
- SMP2 3-probes carrying case.
- SMP2 protective pouch.

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