Spectrum Compact Series

SPECTRUM ANALYZERS 0.3 - 87.0 GHz AND SIGNAL GENERATORS 5.925 - 40.0 GHz

- Essential tool for interference detection, site survey, and path alignment
- Market leading receiver sensitivity
- Instant On/Off functionality with simple, intuitive controls
- Stand-alone tool, no external controller required
- Included PC software for post-measurement analysis and reporting
- Resistive LCD touchscreen allows working with gloves on
- World’s smallest mmWave spectrum analyzer designed specifically for comfortable outdoor use in a variety of challenging environments

WWW.SPECTRUMCOMPACT.COM
### Spectrum Analyzers

**Frequency range**
- 0.3 - 3.0 GHz
- 2.0 - 8.0 GHz
- 5.925 - 20.0 GHz
- 17.0 - 24.3 GHz
- 24.0 - 43.0 GHz
- 56.0 – 71.0 GHz
- 70.0 - 87.0 GHz

**Displayed Average Noise Level**
- -128 dBm @ RBW=10 kHz
- -119 dBm @ RBW=30 kHz
- -110 dBm @ RBW=30 kHz
- -105 dBm @ RBW=1 MHz
- -100 dBm @ RBW=100kHz
- -90 & 90 dBm @ RBW=10 MHz

**Max input power**
- +27 dBm
- +25 dBm
- +27 dBm
- 0 dBm
- 0 dBm
- 0 dBm
- 0 dBm

**RBW**
- 10, 30, 100, 300 kHz
- 30, 100, 300, 1000 kHz
- 30, 100, 300, 1000 kHz
- 1 MHz
- 100, 300, 1000 kHz
- 1 MHz
- 10 MHz

**VBW**
- 1, 3, 10, 30 kHz
- 1, 3, 10, 30, 100 kHz
- 1, 3, 10, 30, 100 kHz
- 300 kHz
- 1, 3, 10, 30, 100 kHz
- 300 kHz
- 300 kHz

**Min. Span**
- 0.5 MHz
- 1.5 MHz
- 1.5 MHz
- 100 kHz
- 1 MHz
- 1 MHz
- 1 MHz

**Max. Span**
- full bandwidth
- full bandwidth
- full bandwidth
- full bandwidth
- full bandwidth
- full bandwidth
- full bandwidth

**Sweep speed**
- 0.15 s @ 15 MHz Span
- 0.2 s @ 50 MHz Span
- 0.2 s @ 50 MHz Span
- 0.5 s @ Min. Span
- 0.2 s @ 100 MHz Span
- 0.5 s @ 1 GHz Span
- 0.5 s @ 1 GHz Span

**Accuracy**
- +/- 1 dB
- +/- 1 dB
- +/- 1 dB
- +/- 1 dB
- +/- 1 dB
- +/- 1 dB
- +/- 1 dB

**Input**
- 50 ohm SMA (f)
- 50 ohm SMA (f)
- 50 ohm SMA (f)
- 50 ohm SMA (f)
- 50 ohm 2.92 mm (f)
- WR 15
- WR 12

**Interface**
- USB Type-C
- USB Type-C
- USB Type-C
- micro USB 2.0 (1.1)
- micro USB 2.0 (1.1)
- micro USB 2.0 (1.1)
- micro USB 2.0 (1.1)

**Battery life**
- up to 4 h
- up to 4 h
- up to 4 h
- up to 4 h
- up to 4 h
- up to 3 h
- up to 3 h

**Operating temperature**
- -19ºC to +55ºC
- -15ºC to +55ºC
- -15ºC to +55ºC
- -15ºC to +55ºC
- -15ºC to +55ºC
- -15ºC to +55ºC
- -15ºC to +55ºC

**Dimensions**
- 135 x 83 x 34 mm
- 135 x 83 x 34 mm
- 135 x 83 x 34 mm
- 135 x 83 x 34 mm
- 135 x 83 x 34 mm
- 135 x 83 x 34 mm
- 135 x 83 x 34 mm

**Weight**
- 0.57 kg / 20.11 oz
- 0.57 kg / 20.11 oz
- 0.57 kg / 20.11 oz
- 0.3 kg / 10.6 oz
- 0.57 kg / 20.11 oz
- 0.57 kg / 20.11 oz
- 0.57 kg / 20.11 oz

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**Guaranteed at 21ºC/70ºF CW signal**
**Guaranteed Displayed Average Noise Level for 56.0 - 67.0 GHz frequency range**

### Available Accessories

- Attenuator kit, 60 dB
- Waveguide adapters, 3 GHz - 40 GHz
- 40 GHz RF cable with thumbscrews
- 20dBi mmWave antenna
- Extension stick for near side radio measurements
- 0.17m 38dBi antenna
### Signal Generators

<table>
<thead>
<tr>
<th>Feature</th>
<th>5.925 - 12.0 GHz</th>
<th>10.0 - 18.0 GHz</th>
<th>17.0 - 24.3 GHz</th>
<th>24.0 - 40.0 GHz</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Frequency range</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Output power range</strong></td>
<td>-3 dBm to +13 dBm</td>
<td>-3 dBm to +11 dBm</td>
<td>-3 dBm to +10 dBm</td>
<td>-3 dBm to +5 dBm</td>
</tr>
<tr>
<td><strong>Frequency accuracy</strong></td>
<td>+/- 10 ppm</td>
<td>+/- 10 ppm</td>
<td>+/- 10 ppm</td>
<td>+/- 10 ppm</td>
</tr>
<tr>
<td><strong>Adjustable frequency step</strong></td>
<td>1 MHz</td>
<td>1 MHz</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Adjustable power step</strong></td>
<td>1 dBm</td>
<td>1 dBm</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Signal form</strong></td>
<td>Continuous wave</td>
<td>Continuous wave</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Accuracy</strong></td>
<td>+/- 1 dBm</td>
<td>+/- 1 dBm</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Output</strong></td>
<td>50 ohm SMA (f)</td>
<td>50 ohm 2.92mm (f)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Interface</strong></td>
<td>mini USB 2.0 (1.1)</td>
<td>mini USB 2.0 (1.1)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Battery life</strong></td>
<td>up tp 4h</td>
<td>up to 3h</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Operating temperature</strong></td>
<td>-15°C to +55°C</td>
<td>-15°C to +55°C</td>
<td>5°F to 131°F</td>
<td>5°F to 131°F</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>128 x 81 x 24 mm</td>
<td>130 x 81 x 28 mm</td>
<td>5.04 x 3.2 x 0.94 in</td>
<td>5.11 x 3.2 x 1.1 in</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>0.3 kg / 10.6 oz</td>
<td>0.4 kg / 14.11 oz</td>
<td></td>
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</tr>
</tbody>
</table>

*Guaranteed throughout all the temperature range*

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For more detailed information about SAF Tehnika products visit [www.saftehnika.com](http://www.saftehnika.com) or contact your SAF Tehnika representative [info@saftehnika.com](mailto:info@saftehnika.com)

Product features may vary between different models and configurations. They are subject to change without prior notice.

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