R&S®SMC100A Signal Generator
Smallest size and best price/performance ratio

The perfect choice for

- RF teaching labs
- Simple production applications
- A&D development/service/maintenance
- Service and maintenance

A generator for every environment with the smallest size and best price/performance ratio
- Outstanding RF performance
- Graphical user interface
- 3-year calibration cycle
- USB, Ethernet and GPIB connectivity
- Small footprint, lightweight and power-efficient

Key specifications

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency range</td>
<td>9 kHz to 1.1/3.2 GHz</td>
</tr>
<tr>
<td>Max. output power</td>
<td>+13 dBm, +17 dBm (typ.)</td>
</tr>
<tr>
<td></td>
<td>(f = 200 kHz to 3.2 GHz);</td>
</tr>
<tr>
<td>SSB phase noise</td>
<td>&lt; –105 dBC, –111 dBC (typ.)</td>
</tr>
<tr>
<td>Non-harmonics</td>
<td>&lt; –60 dBC, –72 dBC (typ.)</td>
</tr>
<tr>
<td>Modulation</td>
<td>AM/FM/φM/PM</td>
</tr>
</tbody>
</table>

Your benefit

Graphical interface allows you to set up the signal the way you think about it

More performance across the board without costing more

Ideal for the lab, production or the field

Features

- Block diagram user interface
- Graphical display of signals
- Click, configure and control with a mouse
- Mimics the functional blocks of a transmitter
- Best phase noise performance
- Fastest switching speed
- Outstanding output power
- Vastly superior modulation capabilities

Lab: better performance
Production: higher speed, better connectivity
Field: size, weight, power

For more information, visit
www.rohde-schwarz.com/product/SMC100A
Various connectivity

Integrate into current test setup without having to alter your USB, Ethernet or GPIB connectivity interface.

Minimized total cost of ownership

A minimum of modules in the R&S®SMC100A means high reliability and easy servicing.

Ordering information

<table>
<thead>
<tr>
<th>Choose your model</th>
<th>Frequency range</th>
</tr>
</thead>
<tbody>
<tr>
<td>R&amp;S®SMC100A with SMC-B101</td>
<td>1 GHz</td>
</tr>
<tr>
<td>R&amp;S®SMC100A with SMC-B103</td>
<td>3 GHz</td>
</tr>
</tbody>
</table>

Included: All models include power cable, quick start guide and three-year warranty

Popular options/accessories

<table>
<thead>
<tr>
<th>Description</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reference oscillator OCXO</td>
<td>R&amp;S®SMC-B1</td>
</tr>
<tr>
<td>GPIB/IEEE488 interface</td>
<td>R&amp;S®SMC-K4</td>
</tr>
</tbody>
</table>

Measured maximum available power

The high output power of typ. > +17 dBm enables measurements on DUTs such as mixers that require a high level for the local oscillator.

Rohde & Schwarz Representative

Rohde & Schwarz GmbH & Co. KG
Europe, Africa, Middle East | +49 89 4129 12345
North America | 1 888 TEST RSA (1 888 837 87 72)
Latin America | +1 410 910 79 88
Asia Pacific | +65 66 13 04 88
China | +86 800 810 82 28 | +86 400 650 58 96
www.rohde-schwarz.com

customersupport@rohde-schwarz.com

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