

# 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

### Key specifications

Frequency range	9 kHz to 1.1/3.2 GHz
Max. output power	+13 dBm, +17 dBm (typ.) (f = 200 kHz to 3.2 GHz);
SSB phase noise	< -105 dBc, -111 dBc (typ.)
Non-harmonics	< -60 dBc, -72 dBc (typ.)
Modulation	AM/FM/φM/PM

### 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

### 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
- Graphic 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

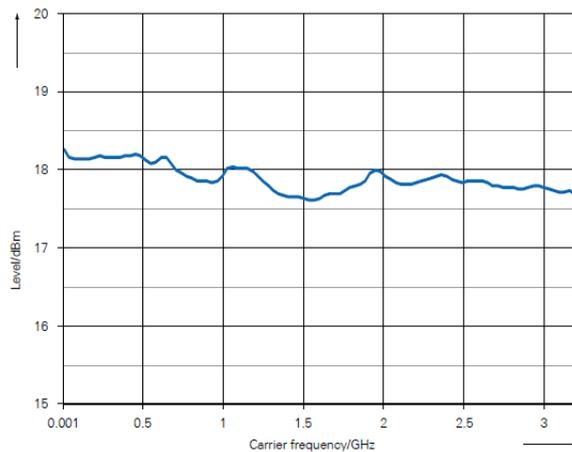
► For more information, visit [www.rohde-schwarz.com/product/SMC100A](http://www.rohde-schwarz.com/product/SMC100A)

## Various connectivity



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

## 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.

## Minimized total cost of ownership



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

## Ordering information

### Choose your model

Generator	Frequency range
R&S <sup>®</sup> SMC100A with SMC-B101	1 GHz
R&S <sup>®</sup> SMC100A with SMC-B103	3 GHz

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

### Popular options/accessories

Description	Type
Reference oscillator OCXO	R&S <sup>®</sup> SMC-B1
GPIB/IEEE488 interface	R&S <sup>®</sup> SMC-K4

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