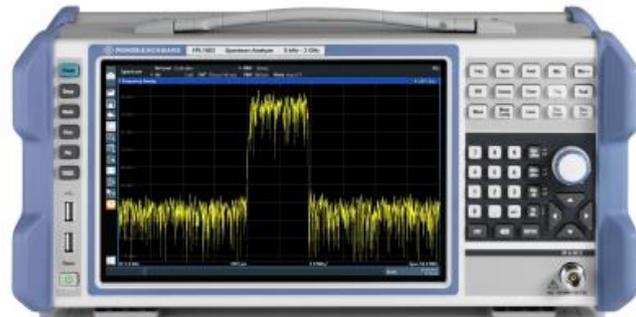


# R&S® FPL1000 Spectrum Analyzer

## Experience performance wherever you take it



### The perfect choice for

Research, education,  
service and  
maintenance

General purpose  
signal analysis and  
demodulation

Fast and easy to  
integrate for  
automated tests

Basic function test  
and EMI debugging  
in R&D

### Key specifications

Frequency	5 kHz to 3 GHz
DANL at 1 GHz	-167 dBm (typ.)
Spurious response	< -70 dBc
Analysis bandwidth	10 MHz, 40 MHz opt.
Phase noise at 1 GHz (10 kHz offset)	-108 dBc/Hz (typ.)
Phase noise at 1 GHz (1 MHz offset)	-136 dBc/Hz (typ.)
Overall amplitude accuracy	0.5 dB
TOI at 1 GHz	+20 dBm (typ.)
Standard attenuator range	45 dB
Attenuator step options	5 dB, 1 dB opt.

### Easy to carry with benchtop performance

The R&S®FPL1000 spectrum analyzer combines excellent RF performance with a small footprint. The light weight and optional battery/DC power make it the ideal instrument for the lab and in the field.

Operating the multi-touchscreen instrument is intuitive and fun. The R&S®FPL1000 supports multiple tasks in one instrument at an attractive price.

Your benefit	Features
One instrument for multiple tasks	Spectrum analysis Power meter Analog and digital signal analysis
More space on your test bench	Smallest footprint in its class (depth of only 23.5 cm)
Can take it with you everywhere	Top handle and low weight Optional battery pack, over 3 hours operation Optional 12/24 V DC power supply

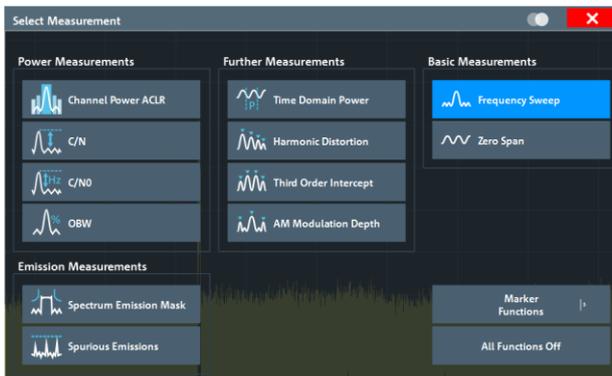
► For more information,  
see [www.rohde-schwarz.com/product/FPL1000](http://www.rohde-schwarz.com/product/FPL1000)

## Flexible user interface



Configure your result windows the way you want. Display different measurement channels at once. Sequential channel updating allows parallel measurement of e.g. spectrum, spectrogram, I/Q analysis and analog demodulation.

## Many predefined measurements



Fast and easy access to a wealth of measurement and marker functions in the base model, including spectrogram measurements and I/Q analysis. Quick configuration through clear menus and touchscreen operation.

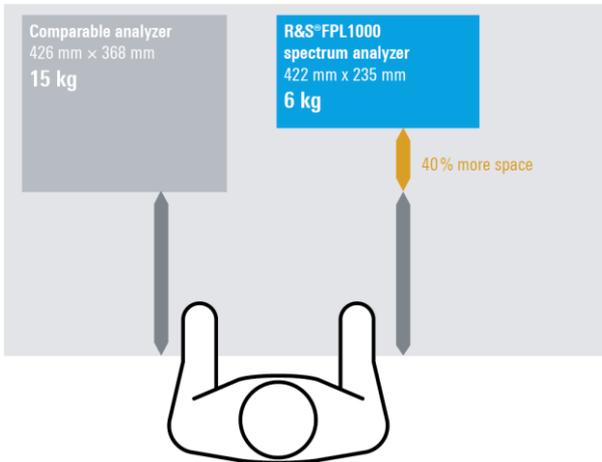
## Popular options/accessories

Description	Type
Spectrum analyzer, 5 kHz to 3 GHz	R&S®FPL1003
OCCO frequency reference	R&S®FPL1-B4
Additional interfaces	R&S®FPL1-B5
GPIO interface	R&S®FPL1-B10
Second hard disk (SSD)	R&S®FPL1-B19
RF preamplifier	R&S®FPL1-B22
1 dB steps for electronic attenuator	R&S®FPL1-B25
DC power supply, 12/24 V	R&S®FPL1-B30
Internal li-ion battery with charging unit	R&S®FPL1-B31
40 MHz analysis bandwidth	R&S®FPL1-B40
<b>Firmware options</b>	
Analog modulation analysis for AM/FM/ϕM	R&S®FPL1-K7
Power measurements with NRP power meters	R&S®FPL1-K9
Noise figure measurements	R&S®FPL1-K30
<b>VSE software</b>	
License dongle	R&S®FSPC
VSA	R&S®VSE-K70
NB-IoT analysis	R&S®VSE-K106

## Use as power meter



Turn the R&S®FPL1000 into a power meter with R&S®NRP power sensors and the R&S®FPL1-K9 option.



The R&S®FPL1000 leaves 40% more space on a typical 80 cm workbench than comparable analyzers. With 60% less weight, it is the most portable benchtop analyzer.

## R&S®FPL1000 unique features in its class

- Portability, optional battery and 12/24 V DC power
- High-resolution screen 1280 x 800, multi-touch
- 40 MHz analysis bandwidth (option)
- 1 dB attenuator steps (option)
- MultiView with sequencer
- Spectrum analysis from 5 kHz
- Class-leading RF performance
  - Low phase noise
  - Low DANL
  - High TOI
  - Low spurs

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 65 13 04 88  
 China | +86 800 810 82 28 | +86 400 650 58 96  
 www.rohde-schwarz.com  
 customersupport@rohde-schwarz.com

R&S® is a registered trademark of Rohde & Schwarz GmbH & Co. KG  
 PD 5215.3591.32 | Version 01.00 | September 2017 (ms)  
 Trade names are trademarks of the owners  
 R&S®FPL1000 spectrum analyzer  
 Data without tolerance limits is not binding | Subject to change  
 © 2017 Rohde & Schwarz GmbH & Co. KG | 81671 Munich, Germany