

R&S®FSC Spectrum Analyzer



Professional spectrum analysis – compact and cost-efficient

The R&S®FSC is a compact, cost-efficient solution that offers all essential features of a professional spectrum analyzer with Rohde & Schwarz quality.

Key facts

- ▮ Frequency range from 9 kHz to 3 GHz or 6 GHz
- ▮ Resolution bandwidths from 10 Hz to 3 MHz
- ▮ High sensitivity (< -141 dBm (1 Hz), with optional preamplifier < -161 dBm (1 Hz))
- ▮ High third order intercept (> 10 dBm, typ. 15 dBm)
- ▮ Low measurement uncertainty (< 1 dB)
- ▮ Internal tracking generator (models .13/.16)
- ▮ Power meter and preamplifier option
- ▮ Storage of measurement results on USB stick
- ▮ LAN and USB interfaces for remote control and transfer of measurement data
- ▮ R&S®FSCView software for simple documentation of measurement results
- ▮ Compact dimensions
- ▮ Low power consumption (12 W)

Models

Designation	Type	Order No.
Spectrum Analyzer, 9 kHz to 3 GHz	R&S®FSC3	1314.3006.03
Spectrum Analyzer, 9 kHz to 3 GHz, with tracking generator	R&S®FSC3	1314.3006.13
Spectrum Analyzer, 9 kHz to 6 GHz	R&S®FSC6	1314.3006.06
Spectrum Analyzer, 9 kHz to 6 GHz, with tracking generator	R&S®FSC6	1314.3006.16

Application	How the R&S®FSC meets your needs
General-purpose spectrum analysis	<ul style="list-style-type: none"> ▮ Quick check of spectral characteristics (harmonics, AM modulation depth, ACLR, etc.) or for diagnostic applications ▮ Service and repair centers, training centers, universities or schools ▮ High measurement accuracy ▮ High sensitivity ▮ LAN and USB interfaces
Use in compact test systems	<ul style="list-style-type: none"> ▮ Compact size allows installation of two R&S®FSC or one R&S®FSC and one R&S®SMC100A signal generator in a single 19" rack ▮ Remote control via USB/LAN ▮ Support of R&S®NRP-Zxx power sensors up to 67 GHz ▮ Only 12 W power consumption ▮ Passive cooling, i.e. no built-in fan
Power measurements	<ul style="list-style-type: none"> ▮ Precision RF power meter up to 67 GHz with R&S®NRP-Zxx power sensors
Satellite monitoring	<ul style="list-style-type: none"> ▮ Satellite dish positioning ▮ Link management
Universal instrument	<ul style="list-style-type: none"> ▮ Determination of transmission characteristics of cables, filters and amplifiers, up to 90 dB dynamic range (model .13 or .16 required) ▮ Location of EMC problems with near-field probes