R&S®FSC Spectrum Analyzer

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 flash drive
- 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)

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.

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	▪ 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	▪ 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 ▪ Only 12 W power consumption ▪ Passive cooling, i.e. no built-in fan
Power measurements	▪ Precision RF power meter with R&S®NRP-Zxx power sensors
Satellite monitoring	▪ Satellite dish positioning ▪ Link management
Universal instrument	▪ 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