

R&S®FSC Spectrum Analyzer

Compact and cost-effective spectrum analyzer



The perfect choice for

R&D & service labs

Test automation

Professionals
Hobbyists

Education & training

Key specifications

Frequency range	9 kHz to 3/6 GHz
Max. input power	up to +30 dBm
Low noise floor	down to -165 dBm (typ., with preamplifier)
Phase noise	< -100 dBc/Hz (f=500 MHz, @100 kHz offset, normalized to 1 Hz RBW)
Connectivity	LAN, USB
Measurement options	tracking generator, preamplifier

Your benefit

Features

Easy to set up	Owing to its compact design, the R&S®FSC only takes up minimal bench space
Easy to operate	All important settings are available via proper hardkeys, supplemented by softkeys on lower display edge
Wide choice	4 base models to fit customer needs

Performance in a compact form factor

Performance

- The R&S®FSC features very good RF performance. Its DANL, TOI and phase noise make it ideal for many standard measurement applications.
- General-purpose spectrum analysis presets for spectral characteristics, e.g. harmonics, AM modulation depth, ACLR, etc. are included as standard

Compact form factor

- R&S®FSC has the smallest footprint in its class at only 3 HU, ½ 19". It takes up very little space on a bench. Two R&S®FSC analyzers or one R&S®FSC and an R&S®SMC signal generator fit in just 3 HU of rack space

Cost-effective

- Total cost of ownership is excellent due to affordable initial and calibration costs, plus very low operating cost with only 12 W power consumption

► For more information,
see www.rohde-schwarz.com/product/fsc

Highlights

✓ High RF performance

✓ Low power consumption

✓ Low noise floor

✓ Compact form factor

✓ High max. input power

✓ Easy to control

Class-leading spectrum analyzer engineered in Germany.

Tracking generator



Tracking generator for scalar transmission measurements.

Ordering information

Model configuration information

Description	Model
9 kHz to 3 GHz	R&S®FSC3 (1314.3006.03)
9 kHz to 3 GHz, with tracking generator	R&S®FSC3 (1314.3006.13)
9 kHz to 6 GHz	R&S®FSC6 (1314.3006.06)
9 kHz to 6 GHz, with tracking generator	R&S®FSC6 (1314.3006.16)
Description	Option
Preamplifier for spectrum analyzer	R&S®FSC-B22
Description	Accessories
19" rackmount kit for two R&S®FSC	R&S®ZZA-T33
19" rackmount kit for one R&S®FSC	R&S®ZZA-T34
Headphones	R&S®FSH-Z36
Near-field probes, 30 MHz to 3 GHz	R&S®HZ-15
Preamplifier for R&S®HZ-15, 100 kHz to 3 GHz	R&S®HZ-16

Easy virtual control – control it your way, be it wired or wireless*

Wireless remote control with R&S®MobileView app*



Wired/wireless* remote control with R&S®InstrumentView PC software



Flexible remote control
on demand, anywhere, anytime.

* Via a wireless router connected to the instrument's LAN port

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