

# Handheld Spectrum Analyzer R&S® FSH



up to 3/6/18 GHz



## Data in brief

	R&S® FSH3	R&S® FSH6	R&S® FSH18
Frequency range	100 kHz to 3 GHz	100 kHz to 6 GHz	10 MHz to 18 GHz
Resolution bandwidths	1 kHz to 1 MHz (model .13) 100 Hz to 1 MHz (models .03 and .23)	100 Hz to 1 MHz	
Video bandwidths	10 Hz to 1 MHz		
Displayed average noise level	typ. -114 dBm (1 kHz) (model .13) typ. -135 dBm (100 Hz) (models .03 and .23)	typ. -135 dBm (100 Hz)	typ. -128 dBm (100 Hz)
TOI	typ. 13 dBm		typ. 7 dBm
SSB phase noise	<-100 dBc (1 Hz) at 100 kHz from carrier		-90 dBc (1 Hz)
Detectors	sample, max/min peak, auto peak, RMS		
Level measurement uncertainty	<1.5 dB, typ. 0.5 dB		<1.5 dB to 6 GHz <2.5 dB to 16 GHz <3 dB to 18 GHz
Reference level	-80 dBm to +20 dBm		
Dimensions	170 mm x 120 mm x 270 mm (6.69 in x 4.72 in x 10.63 in)		
Weight	2.5 kg (5.52 lb)		

Application	Product	70MHz power measurements	Channel power measurements	Field strength measurements/measurements with isotropic antennas	C/N measurements	Channel tables	Receiver mode	Cable/connector power measurements on DUT/trace data	Power measurements up to 8 GHz/18 GHz	Directional power measurements up to 1 GHz/18 GHz	Measurements on cables (distance-to-fault)	Scalar reflection measurements	Vector transmission measurements	Scalar reflection measurements	Remote control via RS-232-C	Pre- and post-cable loss measurements
	R&S® FSH (models .03/.06) with preamplifier	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	R&S® FSH (model .13) with tracking generator	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	R&S® FSH (models .23/.26) with tracking generator and preamplifier	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	R&S® FSH18	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■

<sup>1</sup> For R&S® FSH3 model .23 with serial no. 102500 or later. ■ R&S® FSH standard function  
<sup>2</sup> R&S® FSH-K2 required. - Not available

