

ROHDE & SCHWARZ

FSV7

The Rohde & Schwarz FSV7 is a high-speed, versatile signal and spectrum analyzer with a frequency range from 10 Hz to 7 GHz. Designed for performance-oriented and cost-conscious RF development, production, and service applications, it features a 40 MHz analysis bandwidth, intuitive touch screen operation, and robust measurement capabilities including very low phase noise and high third-order intercept.

SPECIFICATIONS

General

Display	8.4-inch color TFT touchscreen (800 × 600 pixels)
Warm-up Time	30 minutes

Physical

Operating Temperature	+5 to +40 °C
Dimensions (W×H×D)	412 × 197 × 417 mm
Weight	9.5 kg

Frequency Characteristics

Frequency Range	10 Hz to 7 GHz
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Bandwidth Specifications

Resolution Bandwidth (RBW) Range	1 Hz to 10 MHz
Video Bandwidth (VBW) Range	1 Hz to 10 MHz

Amplitude and Level

Maximum Safe Continuous RF Power	+30 dBm
Maximum Safe DC Input Voltage	50 V

Inputs and Outputs

RF Input Connector	N female
RF Input Impedance	50 Ω
External Reference Input	10 MHz, BNC
Reference Output	10 MHz, BNC

Display and Control

Display Type	Touch screen color TFT
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Sweep

Number of Sweep Points	101 to 32001
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Frequency

Internal Reference Aging	1 × 10 ⁻⁶ / year (standard), 1 × 10 ⁻⁷ / year (with option FSV-B4)
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Environmental

Storage Temperature Range	-40 °C to +70 °C
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Compliance

Electromagnetic Compatibility (EMC)	EN 61326-1, EN 61326-2-1
Safety Standards	IEC 61010-1, EN 61010-1

Amplitude

RF Attenuator Range	0 dB to 75 dB in 5 dB steps
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Bandwidth

EMI Filter Bandwidths	200 Hz, 9 kHz, 120 kHz, 1 MHz
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Traces & Detectors

Trace Detectors	Max Peak, Min Peak, Auto Peak, Sample, RMS, Average, Quasi-Peak
Trace Functions	Clear/Write, Max Hold, Min Hold, Average, View

TECHNOLOGY

RF / Microwave

APPLICATIONS

Development, production, installation, and servicing of RF systems

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.