

ROHDE & SCHWARZ

FSEB30

The Rohde & Schwarz FSEB30 is a high-performance spectrum analyzer from the FSE series, operating from 20 Hz to 7 GHz. Designed for both high-speed and ultra-wide dynamic range measurements, it features a 5 ms full-span synthesizer, a typical third-order intercept (TOI) of +20 dBm, and a quasi-analog refresh rate of 25 sweeps per second. Its modular architecture supports advanced digital and analog modulation analysis, making it well-suited for comprehensive RF and microwave testing.

SPECIFICATIONS

General

Display	24 cm / 9.5-inch active LC TFT
---------	--------------------------------

Physical

Dimensions (W×H×D)	435 × 236 × 460 mm
--------------------	--------------------

Frequency Characteristics

Frequency Range	20 Hz to 7 GHz
Span Range	0 Hz, 10 Hz to 7 GHz

Resolution Bandwidths (RBW & VBW)

Resolution Bandwidth Range (-3 dB)	1 Hz to 10 MHz
------------------------------------	----------------

Sweep Characteristics

Sweep Time (Zero Span)	1 μs to 2500 s (in 5% steps)
Sweep Time (Span ≥ 10 Hz)	5 ms to 16 000 s (in steps ≤10%)

Inputs and Outputs

RF Input Impedance	50 Ω
RF Input Connector	N female
AF Demodulation	AM, FM

Frequency

Internal Reference Frequency	10 MHz
------------------------------	--------

Bandwidths

Video Bandwidth Range (VBW)	1 Hz to 10 MHz
-----------------------------	----------------

Amplitude

Input Attenuator Range	0 to 70 dB (10 dB steps)
Maximum Safe Input Power	+30 dBm (1 W)
Maximum DC Input Voltage	0 V (DC coupled), 50 V (AC coupled)

Signal Processing

Trace Detectors	Max Peak, Min Peak, Auto Peak, Sample, RMS
-----------------	--

Inputs & Outputs

Remote Control Interface	IEEE-488.2 / IEC 625-2 (GPIB), SCPI compatible
--------------------------	--

Data Processing

Trace Functions	Clear/Write, Max Hold, Min Hold, Average, View
-----------------	--

TECHNOLOGY

RF Spectrum Analyzer

APPLICATIONS

RF and microwave test, digital and analog modulation analysis, communication systems testing

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