

ADVANTEST

R3365

The Advantest R3365 is a high-performance microwave EMI adapted portable spectrum analyzer with a frequency range extending from 100 Hz up to 8 GHz. Designed for demanding spectral analysis, it features advanced sweep capabilities, excellent noise performance, and integrated AM/FM demodulation.

SPECIFICATIONS

General

Interfaces	GPIB, Memory Card slot
Display	Color TFT LCD

Physical

Power Supply	100 to 120 VAC / 220 to 240 VAC (automatic selection), 50/60 Hz, 200 VA or less
Operating Temperature	0 to 50 °C
Dimensions (W×H×D)	350 x 177 x 420 mm
Weight	17 kg

Frequency Specifications

Frequency Range	100 Hz to 8 GHz
Minimum Frequency	100 Hz
Maximum Frequency	8 GHz
Minimum Span	200 Hz
Maximum Span	8 GHz

Bandwidth (RBW/VBW)

Minimum Resolution Bandwidth (RBW)	10 Hz
Maximum Resolution Bandwidth (RBW)	3 MHz
Resolution Bandwidth (RBW) Steps	1/3/10
Minimum Video Bandwidth (VBW)	1 Hz
Maximum Video Bandwidth (VBW)	3 MHz
Video Bandwidth (VBW) Steps	1/3/10

Sweep & Trigger Specifications

Minimum Sweep Time	50 us
Maximum Sweep Time	1000 s

Dynamic Range & Noise

Minimum Displayed Average Noise Level (DANL)	-135 dBm
--	----------

Demodulation & Audio

Demodulation Modes	AM, FM
--------------------	--------

Inputs, Outputs & Connectivity

Memory Function	Memory card function
-----------------	----------------------

Receiver & Filter Characteristics

CISPR Bandwidths	200 Hz, 9 kHz, 120 kHz, 1 MHz
------------------	-------------------------------

Signal Detection

Detector Modes	Peak, Quasi-Peak, Average
----------------	---------------------------

Inputs & Outputs

RF Input Connector	N (f)
Input Impedance	50 Ω
Maximum Safe Input Level	+30 dBm (1 W)
External Reference Input	10 MHz, BNC female
Reference Output	10 MHz, BNC female
Probe Power Output	+15 V, -15 V

Frequency Reference

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

Amplitude

Input Attenuator Range	0 to 70 dB in 10 dB steps
------------------------	---------------------------

Frequency

Frequency Reference Aging Rate	$\pm 2 \times 10^{-6}$ / year
Frequency Reference Temperature Stability	$\pm 5 \times 10^{-6}$ (0 to 50 °C)

Sweep

Zero Span Sweep Time Range	20 μ s to 1000 s
----------------------------	----------------------

TECHNOLOGY

Superheterodyne Spectrum Analysis

APPLICATIONS

Microwave EMI Measurement & Spectral Analysis

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