

ANRITSU

MS2723B

The Anritsu Spectrum Master MS2723B is a high-performance handheld spectrum analyzer designed for analyzing wireless LAN, cellular signals, and ultra-wideband systems up to 13 GHz. Equipped with a standard preamplifier and boasting a dynamic range of 101 dB, it provides laboratory-grade measurement capability in a lightweight, battery-operated field instrument.

SPECIFICATIONS

General

Interfaces	USB 2.0 (Host and Device), RJ45 Ethernet 10/100 Base-T
Display	8.4-inch daylight-viewable transfective color TFT LCD, 800 x 600 resolution

Physical

Operating Temperature	-10 to 55 °C °C
Dimensions (W×H×D)	313 mm × 211 mm × 77 mm mm

Frequency Specifications

Frequency Range	9 kHz to 13 GHz
Tuning Resolution	1 Hz
Frequency Span Range	10 Hz to 13 GHz, plus 0 Hz (zero span)

Bandwidth and Sweep

Resolution Bandwidth (RBW) Range	1 Hz to 3 MHz in 1-3 sequence
Video Bandwidth (VBW) Range	1 Hz to 3 MHz in 1-3 sequence

Amplitude and Sensitivity

Measurement Range	DANL to +30 dBm
Maximum Continuous Safe Input Level (RF Power)	+30 dBm
Maximum Safe Input Level (DC Voltage)	±50 VDC
Input Attenuation Range	0 dB to 65 dB
Input Attenuation Resolution	5 dB steps
RF Input Impedance	50 ohms standard (75 ohms capable with adapter correction)

Measurements and Analysis

Number of Active Traces	3
Markers	6 Markers plus 6 delta markers

Ports and Interfaces

RF Input Connector	Type N female
External Reference Input Connector	BNC female
External Trigger Input Connector	BNC female

Display and Storage

Internal Trace Storage	Over 1000 measurement traces
Internal Setup Storage	Over 1000 test setups
File Labeling	Alphanumeric labeling of saved measurements
Timestamping	Automatic time and date stamp

Power and Battery

Battery Type	Rechargeable, field-replaceable Lithium-Ion
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Physical and Environmental

Maximum Operating Altitude	Up to 4,600 m (15,000 ft)
Relative Humidity Limits	95% maximum, non-condensing

Connectivity

Ethernet Interface	10/100 Base-T RJ-45
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Options

Option 19	High Accuracy Power Meter (requires external USB sensor)
Option 25	Interference Analyzer
Option 27	Channel Scanner
Option 31	GPS Receiver (includes GPS antenna)
Option 10	Built-in Bias Tee
Option 40	GSM/GPRS/EDGE RF Measurements
Option 41	GSM/GPRS/EDGE Demodulation
Option 62	EV-DO RF Measurements
Option 63	EV-DO Demodulation

Environmental

Vibration/Shock Resistance	MIL-PRF-28800F Class 2 compliant
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Amplitude

Reference Level Range	-120 dBm to +30 dBm
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Filters

Resolution Bandwidth Selectivity (60 dB/3 dB)	< 5:1 (typical)
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TECHNOLOGY

RF Spectrum Analysis

APPLICATIONS

Cellular base station testing, interference mitigation, and RF spectrum monitoring

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