

Quick Fact Sheet

Spectrum Master™ MS2712E/MS2713E



MS2712E

9 kHz to 4 GHz

MS2713E

9 kHz to 6 GHz

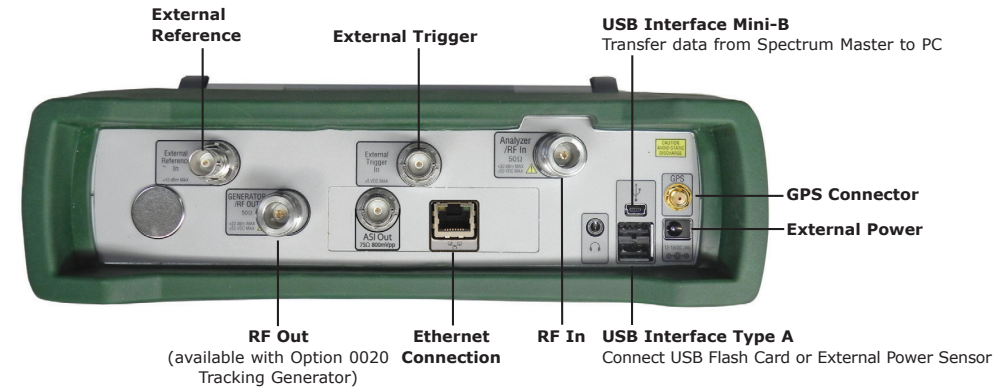
Compact Handheld Spectrum Analyzer

Best Performance in its Class

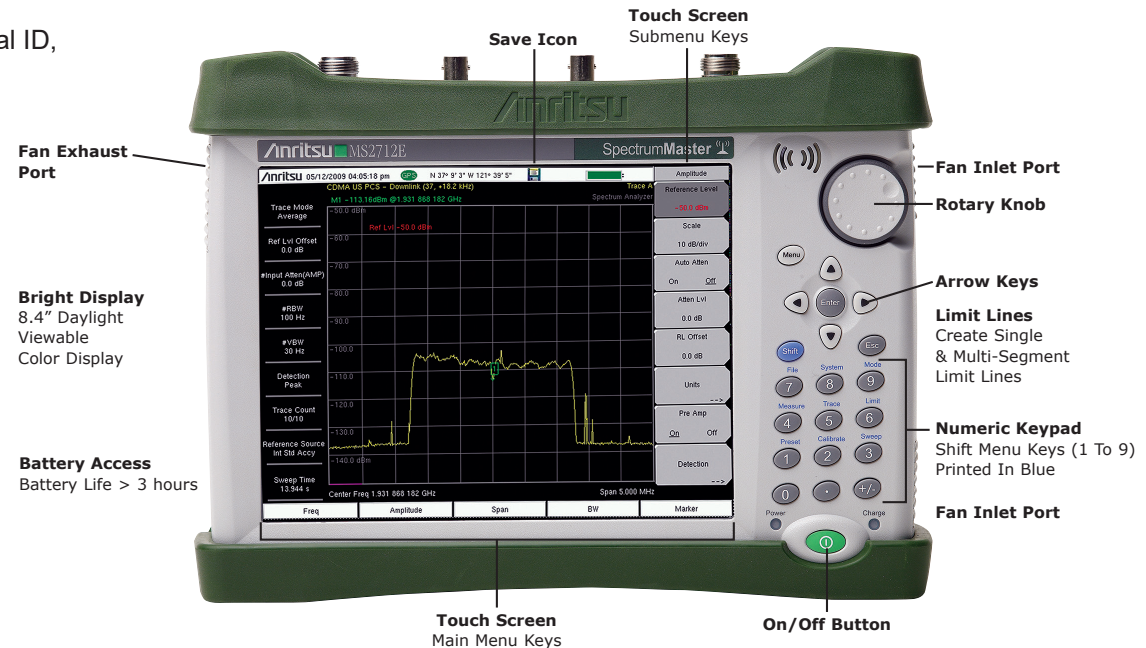
Anritsu's Spectrum Master MS2712E and MS2713E spectrum analyzers are designed to handle the most punishing field conditions and allow you to monitor, locate, identify, and analyze a broad range of cellular, land mobile radio, Wi-Fi, and broadcast signals. With a rich array of configuration options, these multifunctional handhelds eliminate the need for you to learn and carry multiple instruments when locating and identifying signals over wide frequency ranges. There is no other spectrum analyzer in this class that can deliver this level of performance.

Spectrum Analyzer Key Features

- > Measurements: Occupied Bandwidth, Channel Power, ACPR, C/I, Spectral Emission Mask, Field
- > *Interference Analyzer: Spectrogram, Signal Strength, RSSI, Signal ID, Interference Mapping
- > *Tracking Generator, also Functions as CW Source
- > *Coverage Mapping: Outdoors or Indoors
- > *3GPP Signal Analyzers GSM/EDGE, W-CDMA/HSDPA, TD-SCDMA/HSDPA, LTE (FDD and/or TDD), NB-IoT
- > *3GPP2 Signal Analyzers cdmaONE/CDMA2000 1X, CDMA2000 1xEV-DO
- > *IEEE 802.16 Signal Analyzers Fixed WiMAX, Mobile WiMAX
- > *DVB/TH Signal Analyzer
- > *ISDB-T Signal Analyzer
- > *EMF Measurements
- > PIM Hunting
- > Dynamic Range: > 102 dB in 1 Hz RBW
- > DANL: -162 dBm in 1 Hz RBW
- > Phase Noise: -100 dBc/Hz Max @ 10 kHz Offset at 1 GHz
- > Frequency Accuracy: < ± 50 ppb with GPS On
- > Resolution Bandwidth (RBW) 1 Hz to 3 MHz in 1-3 Sequences
- > Standard Ethernet Connectivity (Revision 3 Instruments Only)



All connectors are conveniently located on the top panel, leaving the sides clear for handheld use.



File Management
Saves & Recall > 2000 Traces & Setups



Quick Fact Sheet

Spectrum Master MS2712E/MS2713E



Key Specifications

Spectrum Analyzer	
Frequency	9 kHz to 4 GHz (MS2712E), 9 kHz to 6 GHz (MS2713E) (Usable to 0 Hz)
DANL	-162 dBm in 1 Hz RBW
Phase Noise	-100 dBc/Hz Max @ 10 kHz Offset at 1 GHz
Dynamic Range	> 102 dB in 1 Hz RBW
General	
Internal Trace	>2,000 traces, >2,000 Setups
External Trace	Limited by Size of USB Flash Drive
Connectivity	Ethernet, USB Cable, USB Memory Stick, and RJ45 Connector for Ethernet 10-Base T
Display	Resistive Touchscreen, 8.4" Daylight Viewable Color LCD, Resolution 800 x 600
Temperature	Operating Temperature -10 °C to 55 °C
Battery	Li-Ion, 3.0 Hours, Typical
Dimensions	273 mm x 199 mm x 91 mm (10.7 in x 7.8 in x 3.6 in)
Weight	3.45 kg, (7.6 lbs)

Standard Accessories

Part Number	Description
2000-1654-R	Soft Carrying Case
2000-1691-R	Stylus With Coiled Tether
633-75	Rechargeable Li-Ion Battery
40-187-R	AC-DC Adapter
806-141-R	Automotive Cigarette Lighter 12 VDC Adapter
3-2000-1498	USB A/5-pin mini-B Cable, 10 Feet/305 cm
2000-1371-R	Ethernet Cable 7 Feet/213 cm
11410-00511	Spectrum Master MS2712E / MS2713E Technical Data Sheet
	Three Year Warranty (One Year for Battery)
	Certificate of Calibration and Conformance

Optional Accessories

Portable Antennas



Test Port Cables, Armored



Options

Option	Description
MS2712E-0010	MS2713E-0010 Bias Tee
MS2712E-0009	MS2713E-0009 20 MHz Bandwidth Demod
MS2712E-0031	MS2713E-0031 GPS Receiver (Requires GPS Antenna)
MS2712E-0019	MS2713E-0019 High-Accuracy Power Meter (Requires External Power Sensor)
MS2712E-0029	MS2713E-0029 Power Meter
MS2712E-0025	MS2713E-0025 Interference Analyzer (Option 31 Recommended)
MS2712E-0027	MS2713E-0027 Channel Scanner
MS2712E-0431	MS2713E-0431 Coverage Mapping (Requires Option 31)
MS2712E-0444	MS2713E-0444 EMF Measurements (Requires Anritsu Isotropic Antenna)
MS2712E-0090	MS2713E-0090 Gated Sweep
MS2712E-0020	MS2713E-0020 Tracking Generator
MS2712E-0509	MS2713E-0509 AM/FM/PM Analyzer
MS2712E-0880	MS2713E-0880 GSM/GPRS/EDGE Measurements (Requires Option 9)
MS2712E-0881	MS2713E-0881 W-CDMA/HSPA+ Measurements (Requires Option 9; Option 31 Recommended)
MS2712E-0882	MS2713E-0882 TD-SCDMA/HSPA+ Measurements (Requires Option 9; Requires Option 31 for Full Functionality)
MS2712E-0883	MS2713E-0883 LTE/LTE-A FDD/TDD Measurements (Requires Option 9; Requires Option 31 for Full Functionality)
MS2712E-0886	MS2713E-0886 LTE 256 QAM Demodulation (Requires Option 883)
MS2712E-0884	MS2713E-0884 CDMA/EV-DO Measurements (Requires Option 9; Requires Option 31 for Full Functionality)
MS2712E-0885	MS2713E-0885 WiMAX Fixed/Mobile Measurements (Requires Option 9; Option 31 for Full Functionality)
MS2712E-0887	MS2713E-0887 NB-IoT Analyzer (Requires Option 9)
MS2712E-0030	MS2713E-0030 ISDB-T Digital Video Measurements (Requires Option 9)
MS2712E-0032	MS2713E-0032 ISDB-T SFN Measurements (Requires Option 9)
MS2712E-0079	MS2713E-0079 ISDB-T BER Measurements (Requires Options 9 and 30, cannot be ordered with Option 759)
MS2712E-0064	MS2713E-0064 DVB-T/H Digital Video Measurements (Requires Option 9)
MS2712E-0078	MS2713E-0078 DVB-T/H SFN Measurements (Requires Option 9)
MS2712E-0057	MS2713E-0057 DVB-T/H BER Measurements (Requires Option 64, Cannot Be Ordered With Option 759)
MS2712E-0098	MS2713E-0098 Standard Calibration (ANSI Z540-1-1994)
MS2712E-0099	MS2713E-0099 Premium Calibration (ANSI Z540-1-1994) Plus Printed Test Data

For more information go to www.anritsu.com