

# Quick Fact Sheet

# Spectrum Master™

## High Performance Handheld Spectrum Analyzer



**MS2722C MS2723C MS2724C MS2725C MS2726C**  
 9 kHz to 9 GHz 9 kHz to 13 GHz 9 kHz to 20 GHz 9 kHz to 32 GHz 9 kHz to 43 GHz

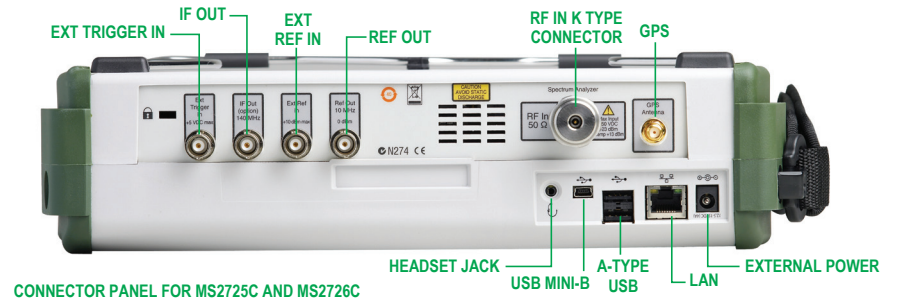
### Over 30 Analyzers in One!

Meet Anritsu's latest generation of handheld spectrum analyzers with five models to choose from including the industry's first 32 GHz and 43 GHz models. This represents the company's highest performance handheld spectrum analyzers. The high performance features and options of the Spectrum Master bring more value to the user over our previous generations with:

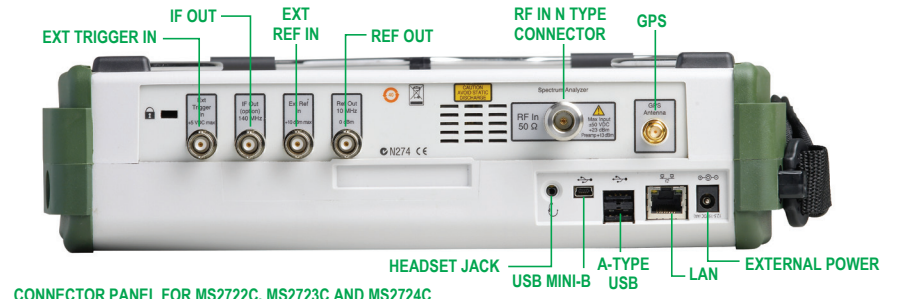
- > Five models and frequency choices – 9 kHz to 9, 13, 20, 32, or 43 GHz
- > Broadband preamplifiers over the whole frequency range for increased sensitivity of 20 dB
- > Four Sweep Modes – Fast, Performance, and No FFT and Burst Detect
- > Resolution Bandwidths from 1 Hz to 10 MHz
- > New triggering choices including hysteresis, hold-off, and delay
- > More zero-span capabilities including 10 MHz RBW & VBW
- > Enhanced Spectrum Analyzer GUI including large marker display choice
- > Choice of display options for readability – normal, black and white, night vision, high contrast
- > On-screen Interference Mapping as part of the Interference Analysis option
- > LTE Measurements up to 20 MHz

### Optional Capabilities and Analyzers

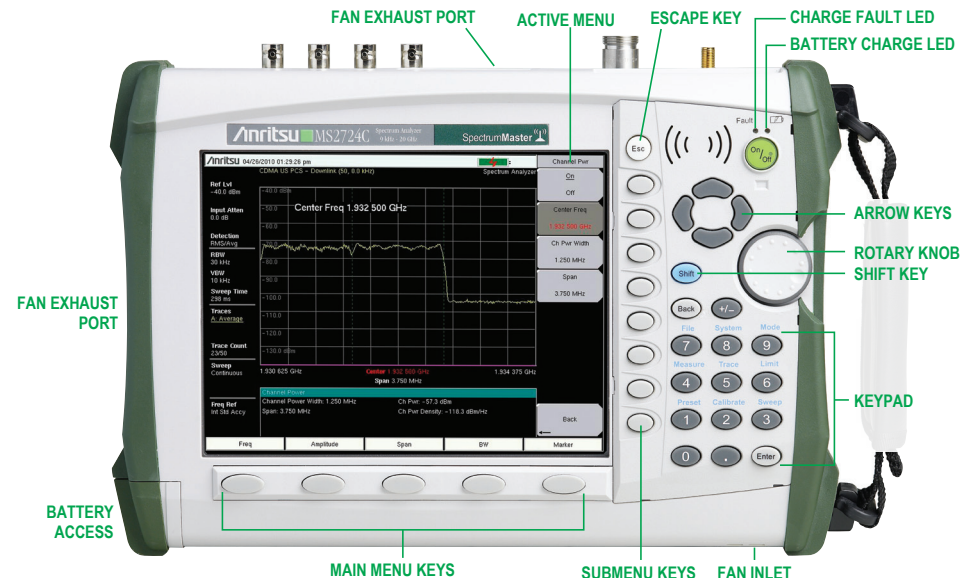
- > High Accuracy Power Meter
- > Interference Analyzer
- > Channel Scanner
- > 30 MHz Wide Zero-Span IF Output at 140 MHz
- > GPS Receiver (increased frequency accuracy, geo-tag data collection)
- > Secure data operation
- > 3GPP Signal Analyzers (LTE, GSM, W-CDMA/HSPA+, TD-SCDMA/HSPA+)
- > 3GPP2 Signal Analyzers CDMA and EV-DO
- > IEEE 802.16 Signal Analyzers (Fixed WiMAX, Mobile WiMAX)
- > PIM Analyzer (requires PIM Master)
- > Coverage Mapping



CONNECTOR PANEL FOR MS2725C AND MS2726C



CONNECTOR PANEL FOR MS2722C, MS2723C AND MS2724C



HANDHELD SIZE: 315 MM X 211 MM X 77 MM (12.4 IN X 8.3 IN X 3.0 IN), LIGHTWEIGHT: 3.4 KG (7.5 LBS)



# Spectrum Master™

## High Performance Handheld Spectrum Analyzer



### Key Specifications

#### Spectrum and Interference Analyzer Highlights

Frequency	9 kHz to 9 GHz (22C), 13 GHz (23C), 20 GHz (24C), 32 GHz (25C) or 43 GHz (26C)
Dynamic Range	> 104 dB in 1 Hz RBW
DANL	-160 dBm in 1 Hz RBW @ 1 GHz, -145 dBm @ 30 GHz (25C and 26C only)
Phase Noise	-100 dBc/Hz @ 10 kHz offset at 1 GHz

#### General Specifications

Internal Trace Storage	> 13,000 traces
External Trace Storage	Limited by the size of the USB Flash drive
Connectivity:	5-pin mini-B, Connect to PC for data transfer and/or remote control
Display:	8.0 inch daylight viewable color LCD, Resolution 800 x 600
Temperature:	Operating Temperature -10 °C to 55 °C
Battery:	Li-Ion, 3.0 hours typical
Dimensions:	315 mm x 211 mm x 77 mm, (12.4 in x 8.3 in x 3.0 in)
Weight:	3.5 kg, (7.8 lbs.) 22C, 23C & 24C   3.8 kg, (8.5 lbs.) 25C & 26C

### Standard Accessories

Part Number	Description
10920-00060	Handheld Instruments Documentation Disc
10580-00277	Spectrum Master User Guide (includes Bias-Tee and GPS Receiver)
2300-498	Master Software Tools (MST) CD Disc
65729	Soft Carrying Case
633-44	Rechargeable Li-Ion Battery
40-168-R	AC/DC Power Supply
806-141-R	Automotive Cigarette Lighter 12 Volt DC Adapter
2000-1371-R	Ethernet Cable, 7 ft/213 cm
3-2000-1498	USB A-mini B Cable, 10 ft/305 cm
1091-27-R	Type N male to SMA female adapter
1091-172	Type N male to BNC female adapter
11410-00529	MS2722C Spectrum Master Technical Data Sheet One Year Warranty (Including battery, firmware, and software) Certificate of Calibration and Conformance

### Optional Accessories

#### Portable Antennas



#### Precision Adapters



### Options

Option Number	Description
Option 7	Secure Data Operation
Option 31	GPS (GPS antenna required - part number 2000-1528-R or 2000-1652-R)
Option 19	High Accuracy Power Meter (Power Sensor not included)
Option 25	Interference Analyzer (recommend Option 31) - provides a spectrogram display, signal strength with audible tone and RSSI (received signal strength indication)
Option 27	Channel Scanner - adds the capability to select up to 20 channels or signals to monitor
Option 89	Zero Span IF Output
Option 9	I/Q Demodulation Hardware
Option 24	I/Q Waveform Capture (Requires Option 9)
Option 40	GSM/EDGE RF Measurements (Requires Option 9)
Option 41	GSM/EDGE Demodulation (Requires Option 9)
Option 44	W-CDMA/HSPA+ RF Measurements (Requires Option 9)
Option 65	W-CDMA/HSPA+ Demodulation (Requires Option 9)
Option 35	W-CDMA/HSPA+ OTA Measurements (Requires Option 9 & 31)
Option 60	TD-SCDMA/HSPA+ RF Measurements (Requires Option 9)
Option 61	TD-SCDMA/HSPA+ Demodulation (Requires Option 9)
Option 38	TD-SCDMA/HSPA+ OTA Measurements (Requires Option 9, and Option 31 recommended)
Option 431	Coverage Mapping (Requires Option 31)
Option 509	AM/FM/PM Analyzer
Option 541	LTE RF Measurements
Option 542	LTE Modulation Measurements
Option 543	15 & 20 MHz LTE Modulation Measurements (Requires Option 9 & 541, 542, 551 or 552)
Option 546	LTE OTA Measurements (Requires Option 9, and Option 31 recommended)
Option 551	TD-LTE RF Measurements (Requires Option 9)
Option 552	TD-LTE Modulation Measurements (Requires Option 9)
Option 556	TD-LTE OTA Measurements (Requires Option 9, and Option 31 recommended)
Option 42	CDMA RF Measurements (Requires Option 9)
Option 43	CDMA Demodulation (Requires Option 9)
Option 33	CDMA OTA Measurements (Requires Option 9 & 31)
Option 62	EV-DO RF Measurements (Requires Option 9)
Option 63	EV-DO Demodulation (Requires Option 9)
Option 34	EV-DO OTA Measurements (Requires Option 9 & 31)
Option 46	Fixed WiMAX RF Measurements (Requires Option 9)
Option 47	Fixed WiMAX Demodulation (Requires Option 9)
Option 66	Mobile WiMAX RF Measurements (Requires Option 9)
Option 67	Mobile WiMAX Demodulation (Requires Option 9)
Option 37	Mobile WiMAX OTA Measurements (Requires Option 9, and Option 31 recommended)
Option 90	Gated Sweep

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