

# Quick Fact Sheet

## Spectrum Master™ MS2711E

9 kHz to 3 GHz

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### Designed for Field Use

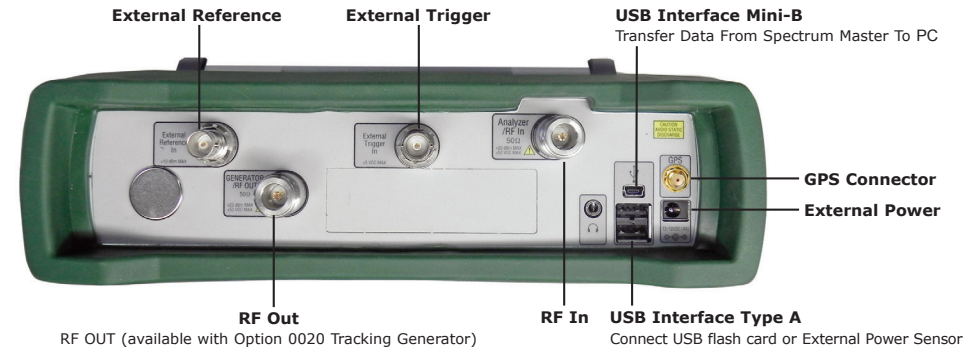
The Spectrum Master MS2711E was designed specifically for field environments. Weighing less than 3.45 kg, it is small, compact, and easy to carry. Its field replaceable Li-Ion battery typically lasts for more than 3 hours and a new bright 8.4-inch color display provides visibility even in broad daylight. With an operating temperature range from -10 °C to 55 °C, a rugged case and splash proof design, the Spectrum Master MS2711E works in the most extreme weather conditions with guaranteed performance anywhere and anytime.

### Integrated Solution

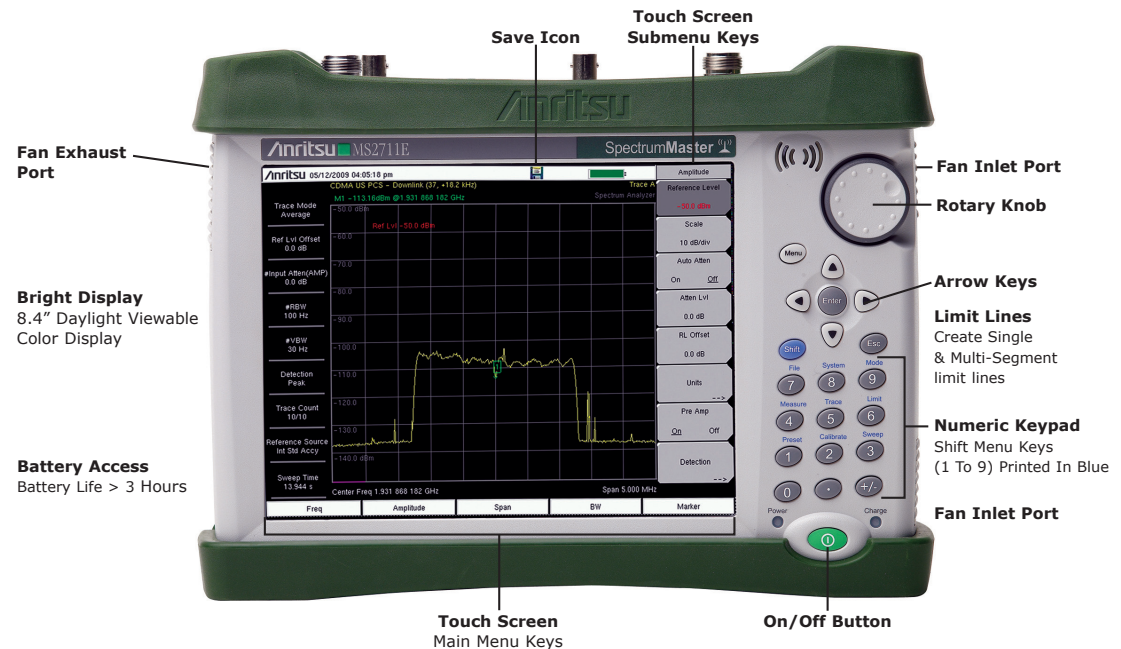
The Spectrum Master MS2711E is a multifunctional instrument that eliminates the need for you to carry and learn multiple instruments. It can be configured to include a broad range of options, including an interference analyzer with signal mapping, a tracking generator, channel scanner, power meter, high accuracy power meter, AM/FM/PM Analyzer, and GPS receiver for time/location stamping and accuracy enhancements.

### Spectrum Analyzer Key Applications

- > One-button measurements: ACPR, Channel Power, Field Strength, Occupied BW, AM/FM/SSB Demod
- > Interference Analyzer: Spectrogram, Signal Strength, RSSI, Signal ID, Interference Mapping, Field Strength
- > PIM Hunting
- > DANL: -142 dBm (Typical) in 100 Hz RBW
- > Dynamic Range: > 85 dB in 100 Hz RBW
- > +25 dBm TOI Typical @ 2 GHz
- > Phase Noise: -90 dBc/Hz @ 10 kHz at 1 GHz
- > Frequency Accuracy:  $\pm 50$  ppb with GPS On
- > Detection Methods: Peak, RMS, Negative, Sample, Quasi-peak
- > Save-On-Event: Automatically Saves a Sweep When Crossing a Limit Line or at the End of the Sweep
- > Three Hours of Battery Life
- > Touchscreen Display
- > USB for Data Transfer and Instrument Control
- > 8.4-inch Daylight Viewable Touchscreen Display
- > Lightweight: < 3.45 kg



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



**File Management**  
Saves & Recall > 2000 traces & setups



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## Spectrum Master MS2711E



### Key Specifications

Spectrum Analyzer	
Frequency	9 kHz to 3 GHz
Dynamic Range	> 85 dB in 100 Hz RBW
DANL	-142 dBm in 100 Hz RBW with Preamp Option
Phase Noise	-90 dBc/Hz max @ 10 kHz offset at 1 GHz
General	
Internal Trace	2,000 Traces, 2,000 Setups
External Trace	Limited by the size of the USB Flash Drive
Connectivity	Connect to PC Using USB
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
2000-1797-R	Screen Protector Film (x2, One Factory Installed, One Spare)
633-75	Rechargeable Li-Ion Battery, 7500 mAh
40-187-R	AC-DC Adapter
806-141-R	Automotive Cigarette Lighter Adapter
3-2000-1498	USB A/5-Pin Mini-B Cable, 10 feet/305 cm
	Three Year Warranty (One Year For Battery) Certificate of Calibration and Conformance

### Optional Accessories



### Options

Option Number	Description
MS2711E-0008	Preamplifier
MS2711E-0020	Tracking Generator
MS2711E-0031	GPS Receiver (Requires Antenna)
MS2711E-0019	High-Accuracy Power Meter (Requires USB Power Sensor)
MS2711E-0029	Power Meter
MS2711E-0025	Interference Analyzer
MS2711E-0027	Channel Scanner
MS2711E-0444	EMF Measurements (Requires Anritsu Isotropic Antenna)
MS2711E-0509	AM/FM/PM Analyzer
MS2711E-0098	Standard Calibration (ANSI 2540-1-1994)
MS2711E-0099	Premium Calibration to Z540 Plus Test Data

For more information go to [www.anritsu.com](http://www.anritsu.com)

