

# Quick Fact Sheet

## Site Master™ S331L

# Anritsu

### S331L

2 MHz to 4 GHz Cable & Antenna Analyzer  
50 MHz to 4 GHz Internal Power Meter

### Handheld Cable & Antenna Analyzer Featuring Classic and Advanced Modes

Anritsu is proud to introduce the new Site Master™ S331L, our 9th generation handheld Cable & Antenna Analyzer. The S331L is newly designed from the ground up. We took all of our experience, customer feedback, field trials, and the latest technology advancements, and developed the best value in a low cost, field optimized, trusted, reliable, rugged, easy to use, one port Cable & Antenna Analyzer.

### Optimized for field use

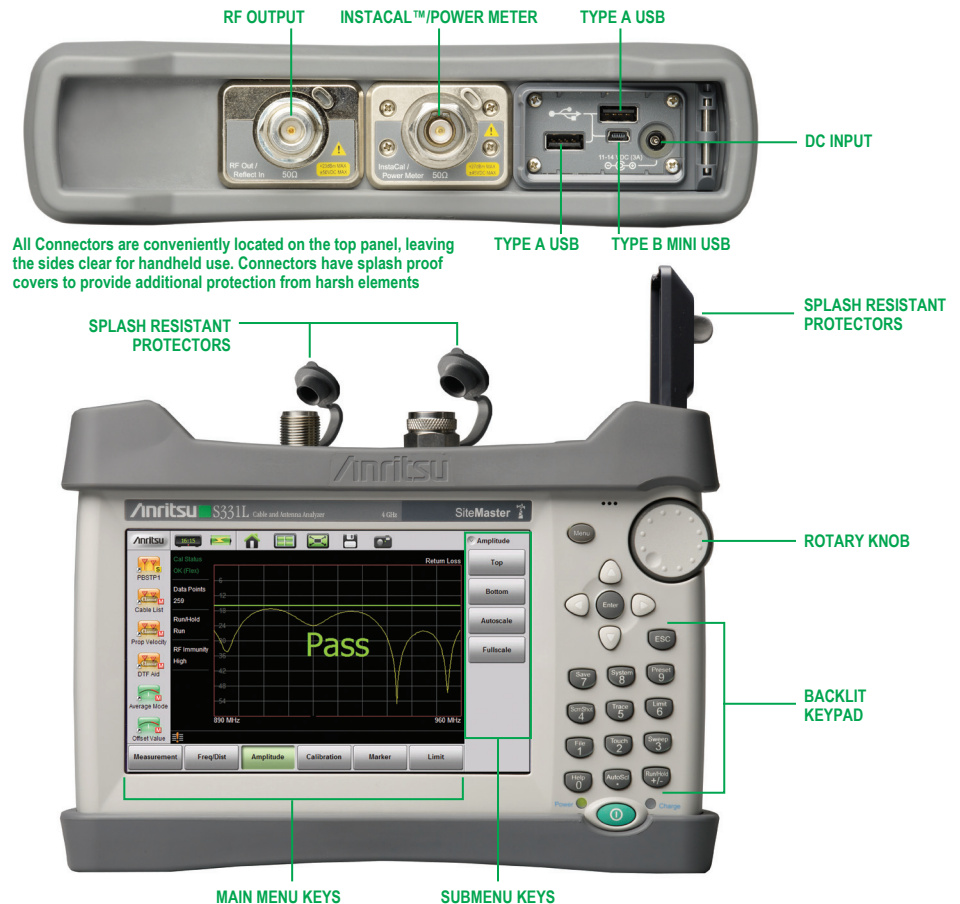
- > > 8 hour battery life
- > Instant On from standby mode
- > Highest RF Immunity
- > Built-in InstaCal™ Module
  - Fast, one connection calibration
- > FlexCal™ Calibration
  - One calibration for all frequencies
- > Built-in Power Meter
- > Rugged and reliable
- > Impact, dust and splash resistant
- > Smallest, lightest Site Master™

### Easy to use

- > Integrated Help function
- > S331D-like Classic Mode
- > S331E-like Advanced Mode
  - Additional markers
  - Customizable shortcuts
  - Full-screen view
- > Multiple USB ports
- > 800 x 480 7" TFT touch screen
  - Alphanumeric keyboard
  - EZ Name Quick Matrix
- > Backlit keypad

### Efficient sweep management

- > Internally store >1000 files
  - Sweeps, setups, screenshots
- > Fast preview of stored sweeps
- > Line Sweep Tools (LST) Software
  - Edit sweeps, rename, archive
  - Generate PDF or HTML reports
- > Standard \*.dat sweep file format
- > Compatible with HHST
  - Widely accepted by operators
- > SweepMasters DIRECT
  - Online trace delivery service



SIZE: 250 mm x 177 mm x 61 mm (10 in. x 7.1 in. x 2.4 in.)  
WEIGHT: < 2.0 kg (4.4 lbs), INCLUDING BATTERY

TIPT BAIL IS INTEGRATED INTO THE SOFT CASE  
FOR BETTER SCREEN VIEWING



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### Key Specifications

Cable & Antenna Analyzer	
Frequency Range	2 MHz to 4 GHz
Frequency Accuracy	$\leq \pm 5$ ppm @ 25 °C
Frequency Resolution	1 kHz
Return Loss	$\leq 1.50$ ms/data point, RF immunity low, typical
Distance-to-Fault	$\leq 1.75$ ms/data point, RF immunity low, typical
Interference Immunity	On-Channel +17 dBm outside calibrated sweep range On-Frequency +13 dBm within calibrated sweep range
Internal Power Meter	
Frequency Range	50 MHz to 4 GHz
Display Range	-100 dBm to +100 dBm
Measurement Range	-33 dBm to +20 dBm
Offset Range Max	$\pm 100$ dB, user settable value
General	
Measurements	Return Loss VSWR Cable Loss Distance-to-Fault RL Distance-to-Fault VSWR RF Power
Internal Trace Storage	> 1000 files (files may be traces, setups, screen shots, or any combination)
External Trace Storage	Limited only by size of USB Flash drive
Connectivity	(2) USB 2.0 Type A, Interface: Type mini-B, Connect to PC for data transfer
Display	TFT Resistive Touch Screen, 7.0" daylight viewable color LCD, 800 x 480 resolution
Temperature	Operating Temperature -10 °C to +55 °C
Battery	Li-Ion > 8.0 Hours typical (70 % brightness setting, continuous usage)
Dimensions	250 x 177 x 61 mm, (10.0 x 7.1 x 2.4 in)
Weight	< 2.0 kg (4.4 lbs), including battery

### Standard Accessories (included with instrument)

Part Number	Description
10920-00060	Handheld Instruments Documentation Disc
2300-530	Anritsu Tool Box with Line Sweep Tools (LST) DVD Disc
10580-00321	Site Master™ S331L User Guide (Hard copy)
11410-00616	Site Master™ S331L Technical Data Sheet
2000-1676-R	Soft Carrying Case
2000-1691-R	Stylus with coiled tether
2000-1687-R	Torque Multiplier N(m)
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, 305 cm (120 in)
	One Year Warranty Certificate of Calibration and Conformance

### Recommended Spare Accessories (not included)

Part Number	Description
2000-1691-R	Replacement Stylus with coiled tether
2000-1687-R	Replacement Torque Multiplier N(m)



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