

Site Master™ S331L



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

The Site Master™ S331L is the best value in a low cost, field optimized, trusted, reliable, rugged, and easy to use, one port Cable & Antenna Analyzer. The Site Master S331L is a single port RF-IN instrument with USB and Ethernet interfaces.

Optimized for field use:

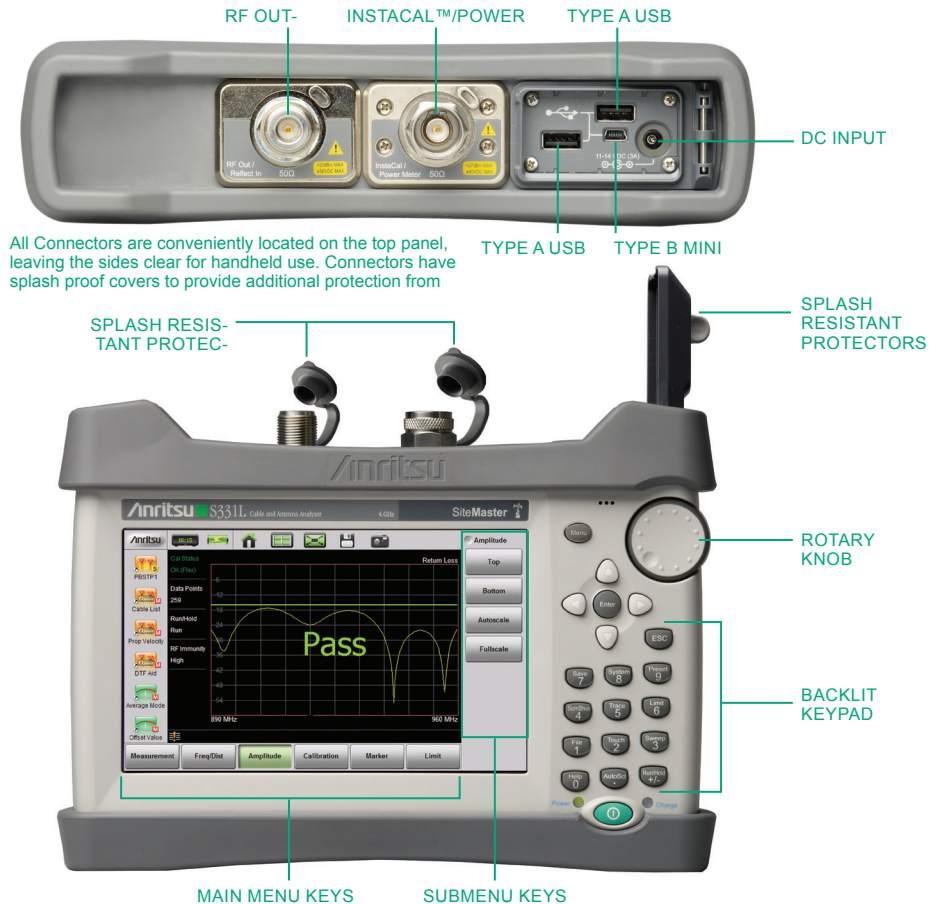
- > > 8 hour battery life
- > Instant On from standby mode
- > Highest RF immunity
- > Built-in InstaCal™ module with fast, one connection calibration
- > FlexCal™ Calibration — one calibration for all frequencies
- > Built-in power meter
- > Rugged and reliable
- > Impact, dust, and splash resistant
- > Smallest and lightest Site Master
- > Optical connector inspection with IEC 61300-3-35 based Pass/Fail standard (Requires USB Video Inspection Probe, sold separately)

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
- > easyTest™

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



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

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



Site Master S331L

For Remote RF Signal Monitoring

Key Specifications

Cable & Antenna Analyzer	
Frequency Range	2 MHz to 4 GHz
Frequency Accuracy	± 5 ppm @ 23 °C ± 3 °C
Frequency Resolution	1 kHz
Return Loss	≤1.50 ms/data point, RF immunity low, typical
Distance-to-Fault	≤ 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 ± 100 dB, user settable value
General	
Measurements	VSWR Return Loss Cable Loss (One Port) Distance-to-Fault (DTF) Return Loss Distance-to-Fault (DTF) VSWR Smith Chart 50 Ω/ 75 Ω (Advanced Mode Only) 1-Port Phase (Advanced Mode Only) Transmission with External Sensor (Advanced Mode Only)
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	GPS, Ethernet Configuration (DHCP/Static)
Display	TFT Resistive Touch Screen, 7.0" daylight viewable color LCD, 800 x 480 resolution, No more than five defective pixels (99.9986% good pixels)
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
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 Power Adapter, 12 VDC, 60 W
3-2000-1498	USB A/5-pin mini-B Cable, 305 cm (120 in)
	Standard Three-Year Warranty (battery one-year warranty) Certificate of Calibration and Conformance

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