

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 12, 2026

ANRITSU

Anritsu S331L Site Master Handheld Cable and Antenna Analyzer; 2 MHz to 4 GHz

Aumictech offers NIST-traceable calibration and repair for the Anritsu S331L. All calibrations are performed to NIST-traceable standards and ship with a certificate. Turnaround is typically 1–3 business days after receipt. This Anritsu S331L is listed at . Calibration is available separately from . Contact us for volume pricing or if you need multiple units. NIST-traceable calibration for the Anritsu S331L is (standard — pass/fail certificate and calibration sticker) or (full measured data at every test point, reference standards documented, traceability chain included). Turnaround is 1 to 3 business days after receipt. See full calibration details →



MODEL

Anritsu S331L

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

S331L

LISTING

<https://aumictechlabs.com/products/s331l-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Anritsu S331L Site Master is a handheld cable and antenna analyzer operating from 2 MHz to 4 GHz, delivering VSWR, return loss, cable loss, and distance-to-fault measurements in field environments. A built-in power meter extends functionality from 50 MHz to 4 GHz with measurement range of -33 dBm to +20 dBm. The 7.0-inch daylight-viewable TFT touch screen (800 × 480 resolution) enables rapid field diagnostics with return loss measurement speed ≤ 1.50 ms/data point and DTF speed ≤ 1.75 ms/data point. Frequency accuracy of ± 5 ppm @ 25 °C and 1 kHz resolution support precision cable and antenna characterization. Dust and splash-resistant

construction withstands challenging field conditions across the operating temperature range of -10 °C to +55 °C. The lithium-ion battery provides > 8.0 hours typical runtime at 70% brightness. Weighing 8.0 hours typical @ 70% brightness Operating Temperature: -10 °C to +55 °C Dimensions/Weight: 250 × 177 × 61 mm; 1000 internal trace files; USB flash drive external storage Key Features RF immunity: +17 dBm (on-channel), +13 dBm (on-frequency) Selectable Smith Chart impedance: 50 Ω/75 Ω (Advanced mode) Distance-to-fault measurements for both return loss and VSWR Cable loss and 1-port phase analysis (Advanced mode) Offset range: ± 100 dB user-settable Impact, dust, and splash resistant construction Measurements VSWR, return loss, cable loss (one port), distance-to-fault return loss, distance-to-fault VSWR, RF power (50 MHz to 4 GHz), Smith Chart (Advanced mode only), 1-port phase (Advanced mode only), transmission with external sensor (Advanced mode only), VIP mode with USB Video Inspection Probe (sold separately). Compatibility & Integration Two USB 2.0 Type A ports and one USB Type mini-B for PC data transfer. Includes AC-DC adapter and automotive 12 VDC/60 W power adapter. Soft carrying case, stylus with tether, torque multiplier, and Anritsu Software Tool Box disc provided.

Features & description

From manufacturer datasheet

Specifications

ParameterValue Frequency Range2 MHz to 4 GHz (cable & antenna analyzer)50 MHz to 4 GHz (power meter) | Power Range (dBm)'-33 dBm to +20 dBm (power meter measurement)-100 dBm to +100 dBm (display range) | Voltage / Current Range± 45 VDC (power meter damage level)

Anritsu S331L — Repair & Calibration Service

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Anritsu S331L calibration cost

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Unit notes

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Measurements VSWR, return loss, cable loss (one port), distance-to-fault return loss, distance-to-fault VSWR, RF power (50 MHz to 4 GHz), Smith

S331L Specifications

PARAMETER	VALUE
Frequency Range	2 MHz to 4 GHz (cable & antenna analyzer)
50 MHz to 4 GHz (power meter) Power Range (dBm)	'-33 dBm to +20 dBm (power meter measurement)
-100 dBm to +100 dBm (display range) Voltage / Current Range	± 45 VDC (power meter damage level)

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

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Standard Cal Pass/fail cert + NIST sticker Cal with Data Full NIST cert with measured values

Request Calibration → Request Repair Quote →

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Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

788 S 500 E, Pleasant Grove, UT 84062
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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.