

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

ANRITSU

Anritsu S331P Site Master Ultraportable Cable and Antenna Analyzer; 4 and 6 GHz Models

Anritsu S331P Site Master Ultraportable Cable and Antenna Analyzer The Anritsu S331P is an ultraportable Site Master cable and antenna analyzer available in 4 GHz and 6 GHz models. OEM product literature emphasizes a compact USB-powered or ultraportable form factor for return loss, VSWR, cable loss, and distance-to-fault measurements. Cellular and DAS feedline commissioning and maintenance where an ultraportable cable/antenna analyzer is preferred.

Instrument Type: Ultraportable Site Master cable and antenna analyzer The Anritsu S331P is an ultraportable Site Master cable and antenna analyzer available in 4 GHz and 6 GHz models. OEM product literature emphasizes a compact USB-powered or ultraportable form factor for return loss, VSWR, cable loss, and distance-to-fault measurements. Cellular and DAS feedline commissioning and maintenance where an ultraportable cable/antenna analyzer is preferred.

Instrument Type: Ultraportable Site Master cable and antenna analyzer Measurement Modes: Return loss VSWR cable loss DTF



MODEL

Anritsu S331P

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

S331P

LISTING

<https://aumictechlabs.com/products/s331p-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Anritsu S331P Site Master is an ultraportable, one-port cable and antenna analyzer engineered for field installation, maintenance, and troubleshooting of wireless communication

systems. Available in 4 GHz and 6 GHz models, this instrument delivers the smallest footprint, lowest weight, and fastest measurement speed in the Site Master portfolio. The device operates entirely via USB connection to a Windows tablet or PC - no internal battery required - making it ideal for technicians requiring maximum mobility without sacrificing measurement capability.

Technical Specifications
Frequency Range 150 kHz to 4 GHz (S331P-0704) 150 kHz to 6 GHz (S331P-0706)
Frequency accuracy: ± 2.5 ppm @ 23 °C ± 3 °C
Frequency resolution: 1 kHz
Measurement Performance
Output power: -5 dBm (typical)
Interference immunity: 17 dBm (typical)
Measurement speed: ≤ 500 μ s/data point (typical)
Physical & Environmental Dimensions:
52 mm $\times$ 148 mm $\times$ 36 mm
Weight: <0.4 kg (typical)
Impact, dust, and splash-resistant housing
Operating temperature: 23 °C $\pm$ 5 °C MIL-PRF-28800F Class 2 compliance

Key Features
Measurement Capabilities
VSWR and return loss
Cable loss (one-port)
Distance-to-fault (DTF) return loss and VSWR
Smith chart (50 Ω /75 Ω) and 1-port phase (Advanced Mode)
Calibration & Control
FlexCal™ technology enables single calibration across all frequencies
Factory-default 1-port ReadyCal automatically applied
Standard OSL calibration supported
Classic and Advanced modes with configurable shortcuts
Type N(m), 50 Ω test port connector
Software Ecosystem
Line Sweep Tools (LST) for sweep management and PDF/HTML reporting
easyTest™ Tools for work instruction automation
SkyBridge Tools™ cloud-based trace management
EZ Name Quick Matrix for rapid file naming
HHST (Handheld Software Tools) compatible

Compatibility & Integration
Windows 7, 8, 8.1, 10, 11 (32 or 64-bit)
USB 2.0 control and power delivery
Supplied USB-A to Micro-B latch cable (1.8 m)
Includes soft carrying case and torque multiplier

S331P Characteristics / Specifications

PARAMETER	VALUE
Frequency Models	4 GHz and 6 GHz models
Instrument Type	Ultraportable Site Master cable and antenna analyzer
Measurement Modes	Return loss VSWR cable loss DTF
Dynamic Range Class	Site Master ultraportable dynamic range class
Display	Compact display or PC hosted UI class
RF Connectors Class	TypeNfemale class
Input Impedance	50 ohms class
Calibration	OSL field calibration class
Power Source Class	USB powered or internal battery class by config
Form Factor	Ultraportable Site Master
Series Family	Anritsu S331P Site Master
Applications Class	Cellular DAS feedline field test
USB Connectivity	Yes
Marker Functions	Multi marker with delta class
Distance To Fault	Supported
Operating Temperature Class	Field temperature range class
Weight Class	Ultraportable analyzer weight
Storage	Trace and setup memory class
Sweep Speed Class	Fast field sweep class
Resolution Class	Fine frequency resolution class
Immunity Modes Class	RF immunity settings class
Impedance Selections Class	50 ohm class
Operating temperature	Class: Field temperature range class
Return loss	VSWR cable loss DTF

S331P Specifications

PARAMETER	VALUE
Ultraportable Site Master form factor	4 GHz and 6 GHz model options
USB connectivity class	Fast field calibration workflow
Technical Specifications	Frequency Models: 4 GHz and 6 GHz models

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: Field temperature range class
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Operating Temperature Class	Field temperature range class
Weight Class	Ultraportable analyzer weight
Storage	Trace and setup memory class
Sweep Speed Class	Fast field sweep class
Resolution Class	Fine frequency resolution class
Immunity Modes Class	RF immunity settings class
Impedance Selections Class	50 ohm class Notes
From Anritsu S331P OEM product documentation (queue title	4 and 6 GHz models). Confirm which frequency model is installed and the exact power/UI configuration on the unit datasheet.

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.

Specifications	
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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

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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.