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Data Sheet

August 14, 2026

ANRITSU

Anritsu S332C Site Master Handheld Analyzer

Anritsu S332C Site Master Handheld Analyzer The Anritsu S332C is a legacy Site Master handheld cable and antenna analyzer with integrated spectrum analysis capability in the classic S33xC family. OEM Site Master C-series documentation covers return loss, VSWR, cable loss, and distance-to-fault measurements for cellular and broadcast feedlines, typically spanning from about 25 MHz into the low-GHz region depending on exact C-series configuration. Cellular and broadcast feedline commissioning, return loss and VSWR maintenance, and distance-to-fault localization with spectrum checks on C-series platforms. The Anritsu S332C is a legacy Site Master handheld cable and antenna analyzer with integrated spectrum analysis capability in the classic S33xC family. OEM Site Master C-series documentation covers return loss, VSWR, cable loss, and distance-to-fault measurements for cellular and broadcast feedlines, typically spanning from about 25 MHz into the low-GHz region depending on exact C-series configuration. Cellular and broadcast feedline commissioning, return loss and VSWR maintenance, and distance-to-fault localization with spectrum checks on C-series platforms.



MODEL

Anritsu S332C

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

S332C

LISTING

<https://aumictechlabs.com/products/s332c-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Anritsu S332C Site Master is a portable, handheld cable and antenna analyzer designed for field technicians to install, maintain, and troubleshoot wireless communication systems. It

operates within a frequency range of 25 MHz to 4000 MHz and offers spectrum analysis capabilities from 100 kHz to 3000 MHz. This instrument is engineered to identify and resolve RF system issues such as coverage problems, interference, and signal path degradation. It replaces older Anritsu S300 and S400 series models, providing enhanced functionality in a ruggedized form factor suitable for demanding field environments. The Anritsu S332C is noted for its user-friendly interface, accurate measurements, and immunity to interference, making it a valuable tool for various wireless infrastructures including VHF, broadcasting, paging, cellular, PCS/GSM, ISM, and WLL applications.

Technical Specifications

- * Frequency Range (Cable and Antenna Analysis): 25 MHz to 4000 MHz
- * Frequency Range (Spectrum Analysis): 100 kHz to 3000 MHz
- * Measurement Capabilities:
 - * Return Loss (RL)
 - * Voltage Standing Wave Ratio (SWR)
 - * Cable Loss
 - * Distance-to-Fault (DTF)
 - * Spectrum Analysis
 - * RF Power Monitoring (Optional Option 05)
 - * Field Strength Measurement
 - * Occupied Bandwidth Measurement
 - * Channel Power Measurement
 - * Adjacent Channel Power Measurement

Return Loss Range: 0.00 to 54.00 dB, resolution 0.01 dB

SWR Range: 1.00 to 65.00, resolution 0.01

Cable Loss Range (One Port): 0.00 to 20.00 dB

Transmission Line Loss (One-Port) Range: 0.00 to 20.00 dB

Insertion Loss Range: -120.00 dB to +100 dB; 0.00 to 54.00 dB, resolution 0.01 dB

Distance to Fault Range: Up to 1000 m

Spectrum Analyzer Specifications:

- * Frequency Reference: Aging ± 1 ppm/yr, Accuracy ± 2 ppm
- * Frequency Span: 0 Hz (zero span) to 3.0 GHz
- * Sweep Time: ≥ 6500 ms (full span), 500 ms (zero span)
- * Resolution Bandwidth (RBW): 10 kHz, 30 kHz, 100 kHz, 1 MHz
- * Video Bandwidth (VBW): 100 Hz to 300 kHz in 1-3 sequence
- * Spurious Residual Responses: ≤ -90 dBm at ≥ 500 kHz
- * Amplitude Measurement Range: -95 dBm to +20 dBm typical
- * Dynamic Range: ≥ 65 dB typical
- * Displayed Average Noise Level: ≤ -80 dBm (< 500 kHz typical), ≤ -95 dBm (≥ 500 kHz typical)

RF Power Monitor Specifications (Optional):

- * Display Range: -80.0 dBm to +80 dBm (10.0 pW to 100.0 kW)
- * Detector Range: -50 dBm to +20 dBm (10 μ W to 100 mW)
- * Offset Range: 0 to +60.0 dB

Test Port: Type N, 50 Ω , female

Interference Immunity: Up to +17 dBm on-channel, -6 dBm on-frequency

Maximum Input (Damage Level): Test port: +20 dBm, 50 Ω , +50 Vdc Electrical

Battery: Rechargeable, field-replaceable NiMH battery

Battery Life: Up to 2.5 hours of continuous operation; extended life with built-in energy conservation features

External Power: Operable from a 12.5 Vdc source (AC/DC adapter or automobile cigarette lighter adapter)

Interfaces

- * Data Transfer: RS232 interface for printer or PC
- * Software: Includes data analysis software (Distance-to-Fault and Smith Chart tools)
- * Windows® compatible software
- * Features: database for measurements, Smith Chart display, zoom capability, drag-and-drop overlay, data download to PC, upload of custom cable lists or traces

User Interface: Menu-driven interface with on-screen menus and messages in 6 languages

Memory:

- * Up to 200 memory locations for measurement data
- * Alphanumeric labeling of saved measurements
- * Automatic time and date stamp of saved data
- * Ten memory locations for calibration profiles or test set-ups

Physical

- * Dimensions: Lightweight, 1.36 kg to 2.14 kg
- * Display: High-resolution (640×480) LCD with contrast and backlighting capability for viewing in various lighting conditions
- * Construction: Ruggedized, high-impact housing designed for field environments and handheld operation

Compatibility

- * Replaces: Anritsu S300 and S400 Series Site Master models
- * Software Compatibility: Windows® (Windows 95/98/2000/ME/NT/XP)
- * Documentation * User Guide: Site Master S113C/14C, S331C/32C User Guide (May 31, 2002)
- * Programming Manual: Site Mas

S332C Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Handheld Site Master cable and antenna analyzer with spectrum
Cable Antenna Frequency Range Class	Tens of MHz to low GHz class per S332C datasheet
Spectrum Frequency Range Class	Integrated spectrum analyzer class on S332C
Measurement Modes	Return loss VSWR cable loss DTF class
Display	Handheld display class
RF Connectors Class	TypeNfemale class
Input Impedance	50 ohms class
Calibration	OSL field calibration class
Battery Operation	Yes
Form Factor	Handheld Site Master
Series Family	Anritsu S33xC Site Master
Applications Class	Cellular broadcast feedline field test
USB Or Serial Connectivity Class	Trace transfer supported class
Marker Functions	Multi marker with delta class
Distance To Fault	Supported
Operating Temperature Class	Field temperature range class
Weight Class	Handheld analyzer weight
Storage	Internal 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
Dynamic Range Class	Site Master dynamic range class
Operating temperature	Class: Field temperature range class
Return loss	VSWR cable loss DTF class

S332C Specifications

PARAMETER	VALUE
Anritsu S332C Site Master Handheld Analyzer	Overview
Handheld battery operated Site Master	Field calibration workflow
Technical Specifications	Instrument Type: Handheld Site Master cable and antenna analyzer with spectrum

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: Field temperature range class
Operating Temperature	Class: Field temperature range class
Operating Temperature Class	Field temperature range class
Weight Class	Handheld analyzer weight
Storage	Internal 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
Dynamic Range Class	Site Master dynamic range class Notes From Anritsu S332C Site Master OEM/family documentation. Exact start/stop frequencies vary by C-series configuration; confirm on the unit faceplate and datasheet. Related S332E covers 2 MHz to 4 GHz CAA with 9 kHz to 4 GHz spectrum.

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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NIST-traceable calibration · SAM registered ·
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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.