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Data Sheet

August 13, 2026

ANRITSU

Anritsu S251C Scalar Network Analyzer 2.5GHz

Anritsu S251C Site Master Two-Port Cable and Antenna Analyzer The Anritsu S251C Site Master is a handheld two-port cable and antenna analyzer covering 625 MHz to 2500 MHz for cellular, PCS/GSM, and ISM site work. In addition to return loss, VSWR, cable loss, and distance-to-fault, a second test port supports isolation, gain, and insertion loss measurements. Selectable output (+6 or +30 dBm class on family literature) and optional bias-tee (e.g. Option 10A) enable tower-mounted amplifier verification. RF interference rejection and high dynamic range (greater than 90 dB class) support antenna-to-antenna isolation in high RF environments. Discontinued; replacement path toward S332E class. The Anritsu S251C Site Master is a handheld two-port cable and antenna analyzer covering 625 MHz to 2500 MHz for cellular, PCS/GSM, and ISM site work. In addition to return loss, VSWR, cable loss, and distance-to-fault, a second test port supports isolation, gain, and insertion loss measurements. Selectable output (+6 or +30 dBm class on family literature) and optional bias-tee (e.g. Option 10A) enable tower-mounted amplifier verification. RF interference rejection and high dynamic range (greater than 90 dB class) support antenna-to-antenna isolation in high RF environments. Discontinued; replacement path toward S332E class. Cellular/PCS cable and antenna sweeps; DTF fault location; antenna isolation



MODEL

Anritsu S251C

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

S251C

LISTING

<https://aumictechlabs.com/products/s251c-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Anritsu S251C Site Master is a rugged, handheld cable and antenna analyzer covering the 625 MHz to 2.5 GHz frequency range. It is used to measure VSWR, return loss, cable loss, and distance-to-fault, helping users identify and resolve issues in their antenna and cable systems. Ideal for cellular, broadcast, and public safety applications.

Features & description

From manufacturer datasheet

Features

- Two-port Site Master, 625 MHz to 2500 MHz

S251C Characteristics / Specifications

PARAMETER	VALUE
Model	S251C
Manufacturer	Anritsu
Instrument Type	Handheld two-port cable and antenna analyzer (Site Master)
Frequency Range	625 MHz to 2500 MHz
Ports	2 (reflection plus transmission/isolation/gain)
Primary Measurements	Return loss; VSWR; cable loss; DTF
Secondary Measurements	Isolation; gain; insertion loss (two-port)
Dynamic Range Class	greater than 90 dB
RF Interference Rejection	Patented Site Master feature
Output Power Selectable Class	+6 dBm or +30 dBm (family literature)
Target Bands	Cellular; PCS/GSM; ISM
Alias	S251C; Site Master S251C
Predecessor	S251B
Replacement Class	S332E
Form	Handheld battery-operated field analyzer
Typical Kit	Soft case; rechargeable battery; AC/DC supply; 12.5 V auto adapter; user guide; data analysis software
Status	Discontinued Notes Specs from Anritsu S251C product pages and authorized reseller listings. Confirm installed options (bias-tee, power monitor) and calibration status on the unit. User title said scalar NA 2.5 GHz – S251C is the two-port Site Master to 2.5 GHz matching that class.
Measurements	RL, VSWR, cable loss, DTF, isolation, gain
Replacement path	S332E class

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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Secondary Measurements	Isolation; gain; insertion loss (two-port)
Dynamic Range Class	greater than 90 dB
RF Interference Rejection	Patented Site Master feature
Output Power Selectable Class: +6 dBm or +30 dBm (family literature)	
Bias-Tee Option Example: Option 10A	
Optional Power Monitor: Available (Option 05 class on related S251 models)	
Specifications	
PARAMETER	VALUE
Target Bands	Cellular; PCS/GSM; ISM
Alias	S251C; Site Master S251C
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Notes

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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
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

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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.