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Data Sheet

August 14, 2026

ANRITSU

Anritsu S113B Site Master Cable/Antenna Analyzer

Anritsu S113B Site Master Cable and Antenna Analyzer The Anritsu S113B is a classic Site Master handheld cable and antenna analyzer for cellular and broadcast feedline testing. OEM Site Master B-series documentation covers return loss, VSWR, and distance-to-fault measurements in a rugged handheld package, typically spanning from about 25 MHz to approximately 3.3 GHz on related S113 family instruments. Cellular and broadcast feedline commissioning, return loss and VSWR maintenance, and distance-to-fault localization. The Anritsu S113B is a classic Site Master handheld cable and antenna analyzer for cellular and broadcast feedline testing. OEM Site Master B-series documentation covers return loss, VSWR, and distance-to-fault measurements in a rugged handheld package, typically spanning from about 25 MHz to approximately 3.3 GHz on related S113 family instruments. Cellular and broadcast feedline commissioning, return loss and VSWR maintenance, and distance-to-fault localization. Handheld Site Master cable antenna analyzer



MODEL

Anritsu S113B

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

S113B

LISTING

<https://aumictechlabs.com/products/s113b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Anritsu S113B is a portable, handheld site master cable and antenna analyzer designed for the installation and maintenance of transmission lines and antenna systems. It combines a

synthesized signal source with measurement capabilities to assess the performance of cables and antennas. The S113B is engineered to identify potential faults before they escalate into critical failures, thereby contributing to cost savings in maintenance operations. This instrument is suitable for various applications within the cellular, broadcast, and land mobile radio sectors.

Technical Specifications

- * Frequency Range: 5 MHz to 1200 MHz
- * Frequency Accuracy (CW Mode): 75 ppm
- * Frequency Resolution: 10 kHz
- * Display Data Points: Selectable: 130, 259, 517
- * Immunity to Interfering RF Signals: Up to +10 dBm (S113B, S1148) / Up to +10 dBm, reflection for S113B, S1148
- * Return Loss: * Range: 0 to 54 dB * Resolution: 0.01 dB
- * SWR (Standing Wave Ratio): * Range: 1 to 65 * Resolution: 0.01
- * Cable Loss: * Range: 0 to 20 dB * Resolution: 0.01 dB
- * Distance-To-Fault (DTF): * Vertical Range (Return Loss): 0 to 54 dB * Vertical Range (SWR): 1 to 65 * Horizontal Range (meters): 0 to (dp x resolution), where dp = 128, 256, or 512 * Resolution (meters): Dependent on number of data points, frequency sweep range, and cable's relative propagation velocity
- * Trace Memory: Up to 200 traces / Internal memory saves up to 70 traces
- * Instrument Configuration Memory: 10
- * Test Port Connector: Precision N female / Type N, 50 Ohms
- * Maximum Input: * RF OUT Test Port: +22 dBm * RF IN Test Port: +10 dBm, 50 ohms / +10 dBm, reflection for S113B, S1148 * RF IN Spectrum Analyzer Port: +20 dBm safe input, +27 dBm damage level
- * Electrical * Power Source: Operable from a 12.5 VDC source
- * Battery Operation: Capable of up to 2.5 hours of continuous operation from a fully charged field-replaceable battery
- * Power Consumption: +11 to +15 Vdc, 1250 mA max
- * Interfaces * Data Transfer: Direct printing via RS-232 serial port / Remote operation via RS-232 serial port
- * Connectivity: RS232 PC Interface Cable supplied
- * Remote Mode: The unit can be set into "remote" mode for communication with a computer via the serial port.
- * Serial Communication Parameters: Baud rate: 9600, No parity bits, 8 data bits, 1 stop bit (N-8-1). No hardware handshaking.
- * Physical * Display: Liquid Crystal Display (LCD) with backlight for low-light environments.
- * Dimensions: Not specified in the available documentation.
- * Weight: Not specified in the available documentation.
- * Operating Temperature: 0°C to +50°C
- * Storage Temperature: -20°C to +75°C
- * Compatibility * Software: Site Master Software Tools program for PC (data saving, analysis, DTF, and fault location)
- * Firmware: Compatible with firmware Version 1.42 and above for programming manual functions.
- * Included Accessories (Typical) * Soft Carrying Case
- * AC-DC Adapter
- * Automotive Cigarette Lighter 12V DC Adapter
- * CD-ROM containing Software Tools program
- * Interface Cable (Null Modem Type)
- * User's Guide
- * DC Car Charger
- * Battery Pack
- * Power Cord
- * User Manual
- * On CD-ROM
- * Why Choose Aumictech for Anritsu S113B?

At Aumictech, we specialize in supplying high-end cable and antenna test equipment. Whether you need precise SWR and return loss measurements, accurate distance-to-fault analysis, or comprehensive cable loss assessments, our team ensures the Anritsu S113B delivers maximum performance for your application.

S113B Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Handheld Site Master cable and antenna analyzer
Frequency Range Class	Approximately 25 MHz to 3.3 GHz class per S113 family
Measurement Modes	Return loss VSWR cable loss DTF class
Dynamic Range Class	Site Master dynamic range 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 S113B Site Master
Applications Class	Cellular broadcast feedline field test
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
Impedance	50 ohms class
Operating temperature	Class: Field temperature range class
Return loss	VSWR cable loss DTF class

S113B Specifications

PARAMETER	VALUE
Anritsu S113B Site Master Cable and Antenna Analyzer	Overview
Technical Specifications	Instrument Type: Handheld Site Master cable and antenna analyzer
Notes	From Anritsu S113B Site Master OEM/family documentation. Confirm exact start/stop frequency on the unit faceplate and datasheet revision.

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
Impedance	50 ohms class Notes From Anritsu S113B Site Master OEM/family documentation. Confirm exact start/stop frequency on the unit faceplate and datasheet revision.

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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Sweep Speed Class	Fast field sweep class
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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

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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.