

ANRITSU

S332D

The Anritsu S332D Site Master is a handheld cable, antenna, and spectrum analyzer designed to install, commission, troubleshoot, and maintain wireless systems. Covering a frequency range of 25 MHz to 4.0 GHz for cable and antenna measurements, and 100 kHz to 3.0 GHz for spectrum analysis, it provides field technicians with a lightweight, rugged instrument to locate feed-line and antenna faults, and to identify RF signal path issues like interference and coverage gaps.

SPECIFICATIONS

General

Interfaces	RS-232 (9-pin D-sub)
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Physical

Operating Temperature	-10 °C to 55 °C °C
Weight	2.28 kg (5.0 lbs) with battery kg

Cable and Antenna Analyzer

Frequency Range (Cable and Antenna Analyzer)	25 MHz to 4.0 GHz
Frequency Resolution (Cable and Antenna Analyzer)	100 kHz
Frequency Accuracy (Cable and Antenna Analyzer)	±75 ppm
Data Points	130, 259, 517 selectable
Directivity (with precision calibration)	≥ 42 dB
Return Loss Measurement Range	0 to 60 dB
Return Loss Resolution	0.01 dB
VSWR Measurement Range	1.00 to 65.00
Cable Loss Measurement Range	0 to 30 dB

Spectrum Analyzer

Frequency Range (Spectrum Analyzer)	100 kHz to 3.0 GHz
Resolution Bandwidth (RBW) Range	100 Hz to 1 MHz in 1-3 sequence
Video Bandwidth (VBW) Range	3 Hz to 1 MHz in 1-3 sequence
SSB Phase Noise	≤ -75 dBc/Hz at 30 kHz offset at 1 GHz
Displayed Average Noise Level (DANL)	≤ -135 dBm (with preamp on, 100 Hz RBW, at 1 GHz)
Dynamic Range	≥ 85 dB (in 100 Hz RBW)

Measurement Capabilities

Cable/Antenna Measurement Modes	Return Loss, VSWR, Cable Loss, Distance-to-Fault (DTF) Return Loss, DTF VSWR
Internal Setup Storage Capacity	Up to 25 setups
Distance Units Supported	Feet, Meters
Labeling	Alphanumeric labeling of saved measurements
Time & Date	Automatic time and date stamp of saved data
Companion PC Software	Handheld Software Tools (HST)

Ports and Connectivity

RF Out / Reflect Port Connector	Type N female, 50 Ω
RF In / Spectrum Analyzer Port Connector	Type N female, 50 Ω
Port Impedance	50 Ω

Power Supply and Battery

Battery Type	NiMH rechargeable, field replaceable
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Environmental and Compliance

Storage Temperature Range	-20 °C to 75 °C
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Options and Accessories

Power Monitor Option	Requires external sensor (Option 5)
Transmission Measurement Option	Provides 2-port transmission measurements (Option 21)
GPS Option	Includes GPS receiver and antenna (Option 31)

Options

Option 5 Power Monitor Detector Compatibility	Anritsu 560-7, 5400-71, and 6400-71 series detectors
Option 19 High Accuracy Power Meter Sensor Compatibility	Anritsu PSN50, MA24105A, MA24106A, MA24108A, MA24118A, and MA24126A USB power sensors
Option 25 Interference Analyzer Frequency Range	100 kHz to 3.0 GHz
Option 27 Channel Scanner Frequency Range	100 kHz to 3.0 GHz
Option 29 Power Meter Frequency Range	3 MHz to 3.0 GHz

Environmental

Vibration Standard	MIL-PRF-28800F Class 2
Shock Standard	MIL-PRF-28800F Class 2

TECHNOLOGY

RF Cable & Antenna Analyzer and Spectrum Analyzer

APPLICATIONS

Wireless infrastructure installation, troubleshooting, and maintenance

