

# Site Master™ S810D / S820D

## Broadband Cable & Antenna Analyzer



### S810D

2 MHz to 10.5 GHz

### S820D

2 MHz to 20 GHz

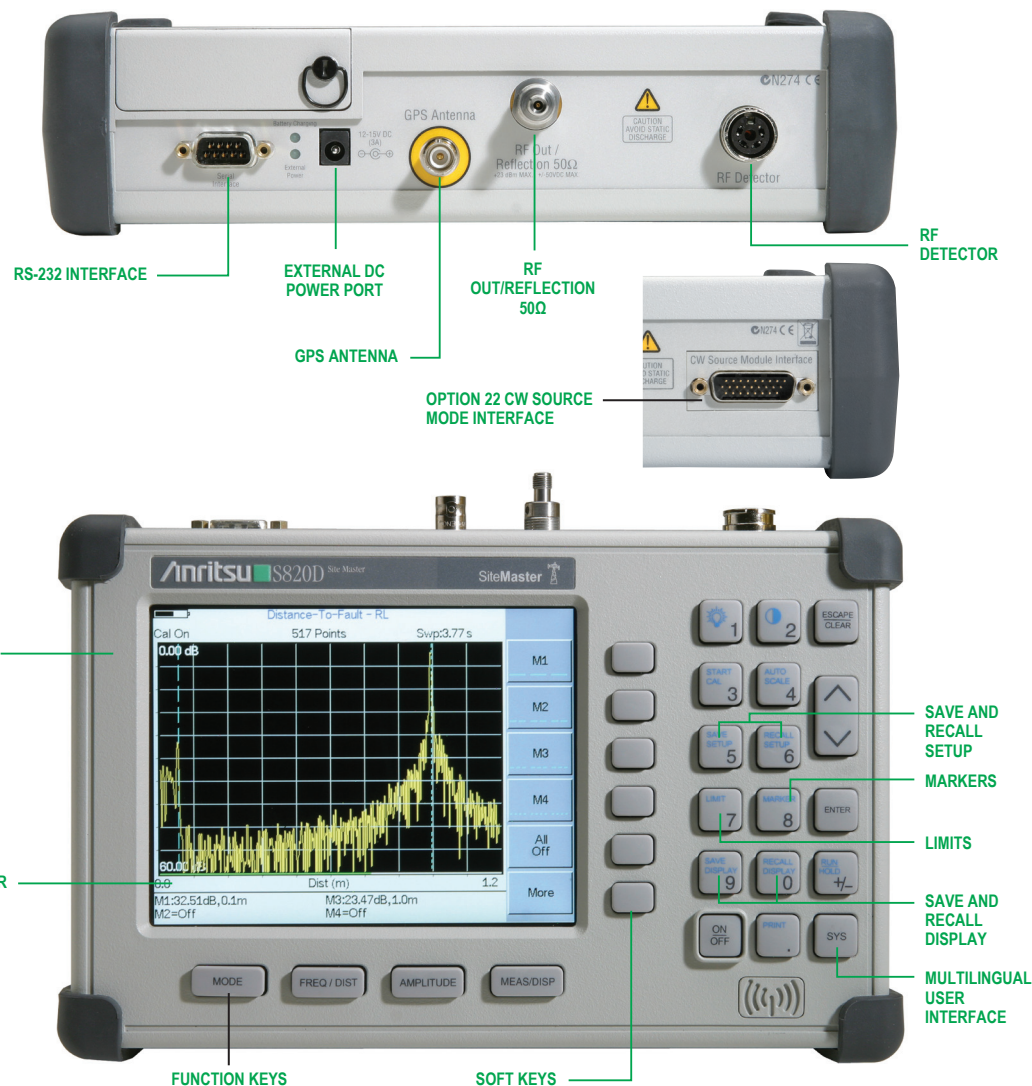
## The Most Accurate and Convenient Tool in the Field

Anritsu's handheld, battery-operated Broadband Site Master is the most accurate and convenient tool available for field installation, verification, troubleshooting and repair of microwave cables and communication systems. With calibrated vector error correction and a convenient user interface, difficult test specifications become easy to verify, quality is improved and maintenance expenses are reduced.

The Broadband Site Master targets microwave site installers, point-to-point operators, point-to-multipoint operators, radio manufacturers, private/public networks that support microwave links, and defense programs responsible for the installation and maintenance of microwave cables. The Broadband Site Master tests both waveguide and coaxial cables more conveniently than laboratory-sized scalar analyzers or microwave vector network analyzers.

## Cable & Antenna Analyzer Highlights

- > Increased frequency range to cover 2 MHz to 20 GHz with a single connection
- > CW source module for true two-port cable loss measurements of long cables operating up to 20 GHz
- > Trace smoothing feature improves accuracy of cable loss measurements
- > Added capability to support user-defined calibration kits: two coaxial and two waveguide kits
- > Increased speed of power monitor measurements by four times
- > Simplified calibration routine with more messages and added support for the new T-Calibration components (OSLK50, OSLN50)
- > Line Sweep Tools software offers trace capture & storage for record keeping and baseline comparison analysis



UNIT DIMENSIONS 25.4 X 17.8 X 6.1 CM



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## Broadband Cable & Antenna Analyzer



### Key Specifications

Analyzer Performance	
Frequency	2 MHz to 10.5 GHz (S810D) 2 MHz to 20 GHz (S820D)
Frequency Accuracy (Fixed CW On)	≤ 3 ppm at +25 °C
Sweep Speed	2.5 msec / data point
Output Power (from RF Out Port)	<0 dBm (at any particular frequency)

General	
Internal Trace	Up to 200 traces, 21 setups
Connectivity	9 pin D-sub
Display	TFT color display with adjustable backlight
Temperature	Operating Temperature –10 °C to 55 °C, humidity 85% or less
Power Supply	External: DC input: +12 to +15 Volt DC, 5A Internal: NiMH battery: 10.8 volts, 1800 mAh
Dimensions	254 mm x 178 mm x 61 mm (10.0 in x 7.0 in x 2.4 in)
Weight:	<2.28 kg (<5 lbs) including battery

### Standard Accessories

Part Number	Description
10680-00001	Site Master S810D/S820D User's Guide
2300-347	Anritsu Handheld Software Tools CD ROM
48258	Soft Carrying Case
633-27	Rechargeable NiMH Battery
34RKNF50	Precision Adapter, Ruggedized K(m) to N(f)
40-168 AC/DC	Adapter
806-141	Automotive Cigarette Lighter/12 Volt Adapter
800-441	Serial Interface (Null Modem) Cable
551-1691-R	USB to RS-232 Adapter Cable

### Optional Accessories

#### Portable Antennas



#### Adapters



### Options

Option Number	Description
S8x0D/2	2 MHz Low Frequency Extension
S8x0D/5	Power Monitor (detector not included)
S8x0D/11NF	Replaces standard K(f) Test Port Connector with N(f)
S8x0D/22SF	SMA 2-Port Cable Loss includes the following bundled items: CWM220B-SF, SMA(f) CW Source Module 560-7S50B, WSMA(m) RF Detector S8x0D/5, Power Monitor 66379, DIN to D-sub adapter cable for Power Monitor S8x0D/2, 2 MHz Low Frequency Extension
S8x0D/22NF	N(f) 2-Port Cable Loss includes the following bundled items: CWM220B-NF, N(f) CW Source Module 560-7N50B, N(m) RF Detector S8x0D/5, Power Monitor 66379, DIN to D-sub adapter cable for Power Monitor S8x0D/2, 2 MHz Low Frequency Extension
S8x0D/31	GPS Receiver (includes 2000-1410 GPS antenna)

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[www.anritsu.com](http://www.anritsu.com) or 1-800-267-4878