Quick Fact Sheet

Site Master™ S331P

Ultraportable Cable & Antenna Analyzer
150 kHz to 4 / 6 GHz

Anritsu
envision : ensure

The most trusted, reliable, and preferred cable and antenna analyzer

The S331P is the lightest, smallest and fastest Site Master ever. Addressing the market need for broad frequency coverage and high performance in an extremely compact and economical design, the S331P provides wireless operators and contractors, DAS installers, and public safety network installers and maintenance professionals with the first pocket-sized headless cable and antenna analyzer that can measure the new LTE-U frequencies.

Optimized for field use

- Smallest, lightest, fastet Site Master™
- Direct connection to DUTs eliminating the need for phase stable cables
- Powered through USB (no battery required)
- FlexCal™ Calibration
  - One calibration for all frequencies
- Factory default 1-Port ReadyCal (automatically applied to all measurements except Transmission)
- Rugged and reliable
- Impact, dust and splash resistant
- Compatible with Anritsu software tools

Easy to use

- Same familiar user interface as the S331L
- Integrated Help function
- S331D-like Classic Mode
- S331E-like Advanced Mode
  - Additional markers
  - Customizable shortcuts
  - Full-screen view

Efficient sweep management

- Store multiple file formats
  - Sweeps, setups, screenshots
- Fast preview of stored sweeps
- Line Sweep Tools (LST) Software
  - Edit sweeps, rename, archive
  - Generate PDF or HTML reports
- Standard *.dat sweep file format
- Compatible with easyTest Tools
  - Reliable and quick creation of test plans
  - Fast and accurate testing
  - Fast and easy report creation

TEST PORT CONNECTOR
N(M)

FRONT

BACK

MICRO USB CONNECTOR
WITH LATCH

4TECT

ООО «4ТЕСТ»
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Key Specifications

Cable & Antenna Analyzer	
Frequency Range	150 kHz to 4 /6 GHz
Frequency Accuracy	≤ ± 2.5 ppm @ 23 °C ± 3 °C
Frequency Resolution	1 kHz
Output Power	–5 dBm, typical
Interference Immunity	17 dBm, typical
Measurement Speed	≤ 500 µs/data point, typical
General	
Measurements	Return Loss VSWR Cable Loss Distance-to-Fault RL Distance-to-Fault VSWR Smith Chart 50 Ω/75 Ω (Advanced Mode Only) 1-Port Phase (Advanced Mode Only) Transmission with External Sensor (Advanced Mode Only)
External Trace Storage	Limited only by size of Controller Memory
Connectivity	USB 2.0
Temperature	Operating Temperature –10 °C to +55 °C
Dimensions	52 mm x 148 mm 36 mm (2 in x 5.8 in x 1.4 in)

Standard Accessories (included with instrument)

Part Number	Description
2000-1864-R	Soft Carrying Case
2000-1687-R	Torque Multiplier N(m)
2000-1816-R	USB-A to Micro-USB, 1.83 m (6 ft)

Optional Accessories

Part Number	Description
2000-1900-R	Single Port USB 2.0 100 meter Cat 5e Extender (with Type A power cord for USA, Japan, North America, Central America and Caribbean)
2000-1901-R	Single Port USB 2.0 100 meter Cat 5e Extender (with Type C power cord for use in Europe, India, South Korea, and many countries in Middle East and Africa)
2000-1902-R	Single Port USB 2.0 100 meter Cat 5e Extender (with Type I power cord for use in Australia, New Zealand, Argentina, and the South Pacific)
2000-1903-R	Single Port USB 2.0 100 meter Cat 5e Extender (with Type G power cord for use in the UK, and several other countries in Asia, the Middle East, and Africa)

Power Sensors (for external sensor transmission measurements: see sensor data sheets for complete information)

Part Number	Description
MA24106A	High Accuracy RF Power Sensor (FW Version 1.1 and above), 50 MHz to 6 GHz, +23 dBm
MA24108A	Microwave USB Power Sensor, 10 MHz to 8 GHz, +20 dBm
MA24118A	Microwave USB Power Sensor, 10 MHz to 18 GHz, +20 dBm
MA24126A	Microwave USB Power Sensor, 10 MHz to 26 GHz, +20 dBm
MA24208A	Microwave Universal USB Power Sensor, 10 MHz to 8 GHz, +20 dBm to –60 dBm
MA24218A	Microwave Universal USB Power Sensor, 10 MHz to 18 GHz, +20 dBm to –60 dBm
MA24330A	Microwave CW USB Power Sensor, 10 MHz to 33 GHz, +20 dBm
MA24340A	Microwave CW USB Power Sensor, 10 MHz to 40 GHz, +20 dBm
MA24350A	Microwave CW USB Power Sensor, 10 MHz to 50 GHz, +20 dBm

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