

## Quick Fact Sheet

# Site Master™ S331P

## Ultraportable Cable & Antenna Analyzer

### 150 kHz to 4 / 6 GHz

### 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, fastest 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 including easyTest

### 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 HHST
  - Widely accepted by operators
- Compatible with easyTest Tools
  - Reliable and quick creation of test plans
  - Fast and accurate testing
  - Fast and easy report creation



TEST PORT CONNECTOR  
(N)



FRONT



BACK



STATUS  
LED

MICRO USB CONNECTOR  
WITH LATCH

NOT  
USED



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## Site Master™ S331P

### Ultraportable Cable & Antenna Analyzer

#### 150 kHz to 4 / 6 GHz



#### 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<br>VSWR<br>Cable Loss<br>Distance-to-Fault RL<br>Distance-to-Fault VSWR<br>Smith Chart 50 Ω/75 Ω (Advanced Mode Only)<br>1-Port Phase (Advanced Mode Only) |
| External Trace Storage | Limited only by size of Controller Memory  |
| Connectivity           | USB 2.0 port for connecting to an external PC controller   |
| Temperature            | Operating Temperature -10 °C to +55 °C   |
| Dimensions             | 52 mm x 148 mm x 36 mm (2 in x 5.8 in x 1.4 in)  |
| Weight                 | < 0.4 kg (< 0.9 lb), typical   |

#### Standard Accessories (included with instrument)

| Part Number | Description   |
|-------------|---|
| 2000-1676-R | Soft Carrying Case  |
| 2000-1687-R | Torque Multiplier N(m)  |
| 2000-1606-R | USB-A to Micro-B with latch cable, 1.8 m (6 ft)                                 |
| 2300-578-R  | USB memory device with the S331P Site Master application and user documentation |
|             | Three Year Warranty<br>Certificate of Calibration and Conformance               |

#### Recommended Spare Accessories (not included)

| Part Number | Description  |
|-------------|--|
| 2000-1606-R | Replacement USB-A to Micro-B with latch cable, 1.8 m (6 ft)  |
| 2000-1687-R | Replacement Torque Multiplier N(m)  |

#### 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  |
|-------------|--|
| MA24104A    | Inline Peak Power Sensor, 350 MHz to 4 GHz, +51.76 dBm                             |
| 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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