



LBA Group, Inc.

Excellence in RF/telecommunications support since 1963

MODEL 3028

SiteOne

Cable & Antenna Analyzer



The SiteOne Cable & Antenna Analyzer is a truly portable handheld device that effectively covers all major communication bands, spanning from 50 kHz to 4400 MHz. This analyzer offers a comprehensive range of measurement screens to accommodate various parameters in antenna installations.

Furthermore, the measurement screens are designed to display two simultaneous graphs, each representing different parameters. This feature enhances the clarity of your measurements, providing a detailed view of your antenna systems.

The built-in storage is readily accessible via the USB connector and will appear as a temporary drive on your PC. With a spacious internal storage capacity, it's capable of storing measurement data collected over several years. To maintain precise timing and records, the instrument includes a built-in real-time clock.

Simple multilayer menus streamline the setup and operation of the instrument, ensuring ease of use for all users. In order to support uninterrupted daily work, the device is equipped with high-capacity Lilon cells, providing over 4 hours of continuous operation on a single charge.

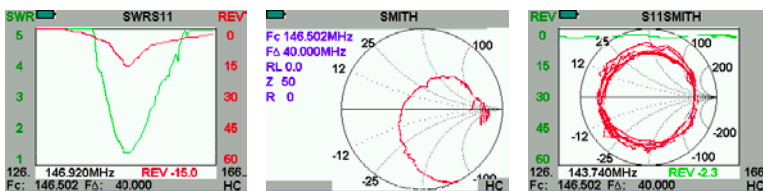
Please note that the accessory kit, which includes a soft carrying bag(#3028-ACC), hard Peli case(#3028-FULL), car charger, and coax adapters for standard types, is available upon request and is sold separately.

Applications / Features

- Handheld
- Measure forward and reflected power
- Lightweight
- Rugged design
- Cost effective
- Document the performance of your installation
- Graphic display
- Large built-in storage
- Manual Frequency Mode
- Be charged from USB or supplied charger

Functions

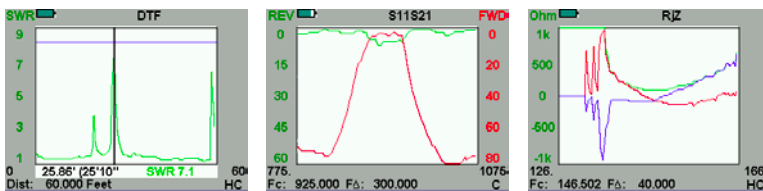
- Measurement modes:
 - SWR & S11
 - Distance To Fault (Select: Meters or Feet)
 - Smith Chart
 - S11 & S21
 - S21
 - S11 & Smith Chart
 - R, j, Z
- Colour LCD screen, visible in direct sunlight
- Battery life saving, with 'Auto Power off' function
- Built-In Real time clock
- Hold and store data on internal SSD
- Internal SSD accessible as simple USB drive on PC
- Time-stamped file system
- Simple menu setup



SWR + S11:

Smith Chart:

S11 + Smith:



Distance to Fault:

S11 + S21:

R, j, Z:

SPECIFICATIONS

Model	SiteOne 3028
Frequency Center range:	50 kHz to 4.4 GHz
Frequency Center Resolution:	1 kHz
Frequency Span Range:	0/5 kHz to 4.4 GHz
Frequency Span Resolution:	5 Hz to 44 MHz
Frequency Accuracy:	±2.5 ppm
Distance To Fault End:	1 to 500 meter (1 to 1640 feet)
Distance To Fault Start:	0 to 99 m (0 to 324 feet)
Distance To Fault Resolution:	1 to 10 cm (0.4 to 4 inches)
Return Loss Measurement:	50 kHz to 1 MHz: < -30 dB
Conditions:	1 MHz to 100 MHz: < -35 dB
Tx Port:	100 MHz to 1 GHz: < -30 dB
Factory Calibration:	1 GHz to 2 GHz: < -30 dB, 2 GHz to 3 GHz: < -28 dB, 3 GHz to 3.8 GHz: < -25 dB, 3.8 GHz to 4.4 GHz: < -20 dB
Transmission Measurement:	50 kHz to 1 MHz: > 40 dB
Dynamic Range:	1 MHz to 100 MHz: > 80 dB
Conditions:	100 MHz to 1 GHz: > 70 dB
Rx Port:	1 GHz to 2 GHz: > 50 dB
Factory Calibration	2 GHz to 3 GHz: > 50 dB, 3 GHz to 4.4 GHz: > 40 dB
Impedance:	50 Ω
Connectors:	2 x "N" Female, USB Serial device (B type)
Display resolution:	320x240 pixels
Calibration storage:	EEPROM
Operating time:	approx. 4 hours
Operating temperature:	0° C to +50° C
Storage temperature:	-30° C to +50° C
Size:	165 x 82 x 31 mm
Weight:	Approx. 650 grams
Compliance:	89/336/EEC, 92/31/EEC, 93/68/EEC
Standard:	EN 61000-6-4:2001, EN 61000-6-2:2005

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3400 Tupper Dr. | Greenville, NC 27834 | 252-757-0279 | www.lbagroup.com

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sales@lbagroup.com