

SiteOne Cable & Antenna Analyzer

Type 3028

The COMM-connect SiteOne Cable & Antenna Analyzer is a truly handheld analyzer covering all major communication bands from 50 kHz to 4400 MHz.

It has a large number of measurement screens available, in order to accommodate all the different parameters in an antenna installation.

Measurement screens can show 2 simultaneous graphs, from 2 different parameters in order to bring further clarity to your measurements

The built-in storage is accessible through the USB connector, and will show up on your PC as a temporary drive. The size of the internal storage is large enough to hold years of measurement data.

For documentation reference the instrument has a built-in real time clock

Simple multilayer menus are employed to setup and control the operation of the instrument

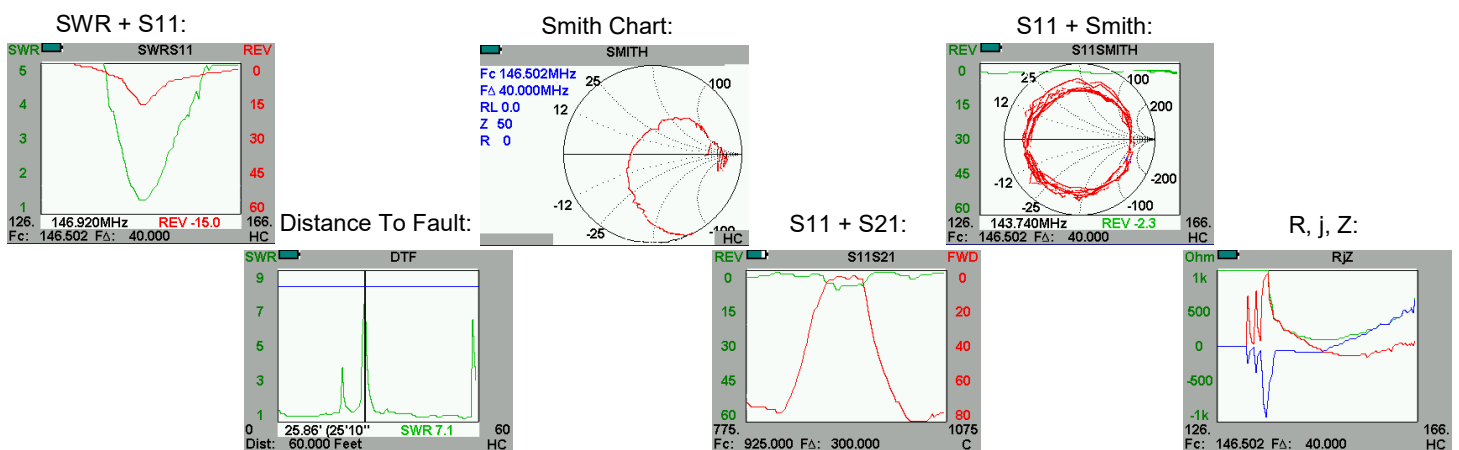
In order to ensure uninterrupted daily work, the instrument is equipped with Lilon cells capable of more than 4 hours of continuous work.

Accessory kit with soft carrying bag, Peli case, car charger and coax adapters for standard types are available



Applications / Features:

- Fast Cable & Antenna measurements
- Handheld
- Lightweight
- Rugged design
- Cost effective
- Document the performance of your installation
- Graphic display
- Large built-in storage



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Functions:

- Measurement modes:
 - SWR & S11
 - Distance To Fault (Selectable: 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
- Timestamped filesystem
- Simple menu setup system

Connectors:



Specifications:

- 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:
Tx Port 1 MHz to 100 MHz: < -35 dB
Factory Calibration 100 MHz to 1 GHz: < -30 dB
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
EN 61000-6-4:2001
EN 61000-6-2:2005

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