

## SWR True Antenna Analyzer

Type 3013

SWR True Antenna Analyzer is a versatile analyzer covering all major communication bands from 30MHz to 2700MHz.

The SWR True will analyze antennas and cables. Measurements are represented graphically as VSWR or Return Loss plots.

The built in PLL synthesized generator offers a superior accuracy with small step size.

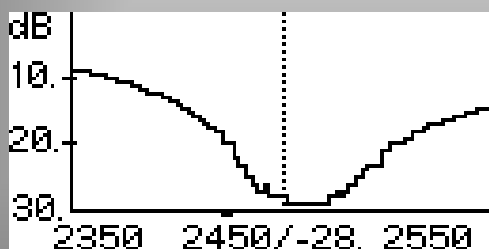
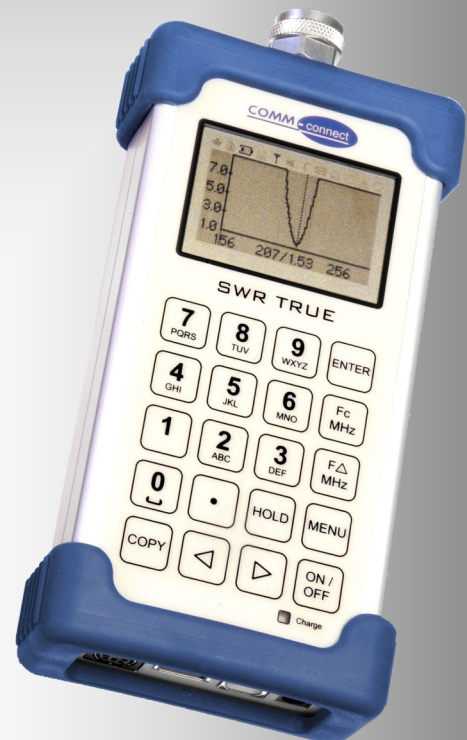
The internal operating system controls measurement, display and the I/Os allowing serial communication to PC, USB to memory stick and USB Serial communication. The I/O options are used to write plots to either memory sticks or to a connected PC, the I/Os can also be used to operate the instrument, giving commands and receiving data.

For documentation reference the instrument has a real time clock.

Multilayer menus are used to setup and control the operation of parameters.

The SWR True instrument is small, handy and light weight battery operated with more than 10 hours of continuous operation on the internal NiMh cells.

Feature with XML data handling and application viewer is included. Accessory kit with soft carrying bag, car charger and coax adapters for standard types.



### Applications / Features:

- Fast Antenna measurements
- Handheld
- Lightweight
- Rugged design
- Cost effective
- Document the performance of your antenna
- Graphic display
- Thousands of stored sweeps on memory stick

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### Functions:

- Antenna and Cable VSWR or Return Loss
- Auto Scale or Manual scale setting
- Transflective LCD screen, visible in direct sunlight
- Back light for use in dim areas
- Save Battery life with 'Auto Power off' function
- Built-In Real time clock
- Hold and store traces onto USB memory stick
- Timestamped filesystem
- Setup by Menu system
- Controlled from Remote
- Simultaneous charge and run on the supplied charger



```

5 Info
1 Operator JOHN DOE
2 Address NEW YORK
3 Device Id CXL800
4 Device Typ COLLINER
    
```

```

1 0-15 dB
2 0-30 dB
3 Auto dB
4 SWR 5-1
5 SWR 9-1
6 SWR Auto
    
```

### Specifications:

- Frequency range: 30 MHz til 2700 MHz
- Frequency resolution: 20 kHz
- Frequency Span: 0 to 2670 MHz
- Frequency accuracy: 50 ppm
- Impedance: 50 Ω
- Measurement range: 1:1 - 9:1, 0 to -30 dB
- Max. input power: 100 mW or +20 dBm on test port
- Generator output: Approx. - 4 dBm
- SWR Accuracy: 30 to 1000 MHz: ±5%  
(SWR <2.0:1) 1000 to 1600 MHz: ±10%  
1600 to 2700 MHz: ±15%
- Connectors: RF Test Port: "N" Female  
USB Serial device (B type)  
USB Memory Stick Adapter (A type)  
Mini DIN for RS232
- Display resolution: 101 points
- Calibration storage: EEPROM
- RS232 i/f speed: 38400 BpS
- Operating time: approx. 10 hours
- Operating temperature: 0° C to +50° C
- Storage temperature: -30° C to +50° C
- Size: 165x82x31 mm
- Weight: Approx. 500 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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