

# SWR True Antenna Analyzer

Type 3013

## Product Introduction

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

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.

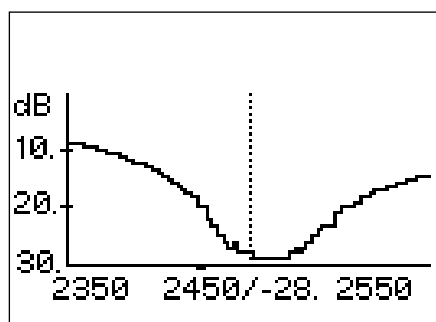
The internal operating system controls measurement, display and the I/Os allowing serial communication to PC, USB to memory stick and USB Serial communication. The I/O options are used to write plots to either memory sticks or to a connected PC, the I/Os can also be used to operate the instrument, giving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



## 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

Specifications:	
Frequency range	30 MHz til 2700 MHz
Frequency resolution	20 kHz
Frequency Span	0 to 2670 MHz
Frequency accuracy	50 ppm
Impedance	50 $\Omega$
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: (SWR <2.0:1)	30 to 1000 MHz: $\pm 5$ % 1000 to 1600 MHz: $\pm 10$ % 1600 to 2700 MHz: $\pm 15$ %
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	165 x 82 x 31 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



```

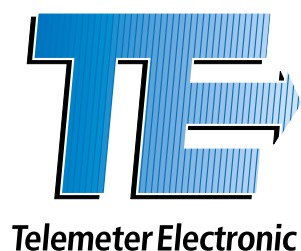
5 Info
1 Operator JOHN DOE
2 Address NEW YORK
3 Device Id CXL800
4 Device Typ COLLIN EA

```

```

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

```



Germany

**Telemeter Electronic GmbH**  
Joseph-Gaensler-Straße 10  
86609 Donauwoerth  
Phone +4990670693-0  
Fax +4990670693-50  
info@telemeter.de  
www.telemeter.info

Switzerland

**Telemeter Electronic GmbH**  
Romanshornstrasse 117  
8280 Kreuzlingen  
Phone +41716992020  
Fax +41716992024  
info@telemeter.ch  
www.telemeter.info

Czech Republic

**Telemeter Electronic s.r.o.**  
České Vrbné 2364  
370 11 České Budějovice  
Phone +420385310637  
info@telemeter.cz  
www.telemeter.info