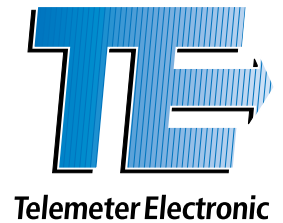


# RF One Wideband Directional Power Meter

Type 3029



## Product Introduction

The 3029 Wide Band Directional Watt Meter is a versatile transmitter power analyzer covering all major communication bands from 30 MHz to 6000 MHz.

The 3029 Wide Band Directional Watt Meter will measure forward and reflected power in the range from mW to 500 W. For precise calculation of power the operating frequency has to be entered. The 3029 Wide Band Directional Watt Meter calculates VSWR or Return Loss. The built in screen can display pulse and modulation information in an oscilloscope function. Built in SD card memory to hold years of measurement data. The measured and the saved data can be communicated via USB to a PC running an application program. For documentation reference the instrument has a real time clock. Multilayer menus are used to setup and control the operation of parameters. The 3029 Wide Band Directional Watt Meter instrument is small, handy and light weight battery operated with more than 3 hours of continuous operation on the internal NiMH cells.

Accessory kit with soft carrying bag, car charger and coax adapters for standard types.

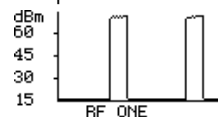
## Applications/Features:

- Fast RF Power measurements
- Handheld
- Lightweight
- Rugged design
- Cost effective
- Document the performance of your antenna
- Graphic display
- Store years of site measurements in built-in memory



```
Main Menu 0
1 Light
2 Scope
3 Instrument
4 Info
5 Settings
```

Scope View:

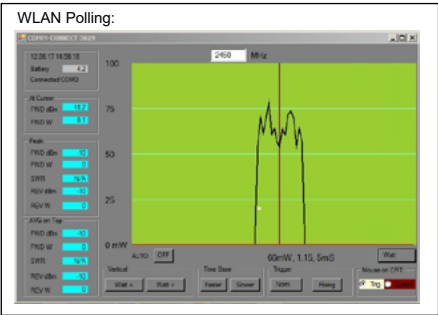


Text View:

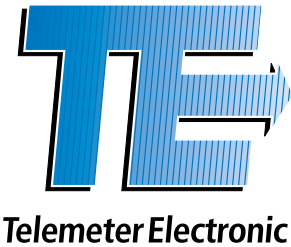
```
FORW 138mW
REFL 3mW
SWR 1.41:1
FREQUENCY 385MHz
DETECTOR PEAK
```

Functions:

- Simultaneously measure forward, reflected & SWR
- 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 data on internal memory
- Timestamped filesystem
- Menu setup system
- Show Pulse and Modulation amplitude



Specifications:	
Frequency range:	380 MHz to 6000 MHz Reduced sensitivity (50 mW): 30 MHz to 380 MHz
Directivity	30 dB (30 MHz to 6000 MHz)
Dynamic range (min.)	24 dB @ 500 mW Forward Power
Mainline VSWR	30 – 2400 MHz: < 1.06:1 2401 – 4000 MHz: < 1.08:1 4001 – 6000 MHz: < 1.12:1
VSWR range	1:1 – 9:1
Power range	10 mW to 500 W
Resolution	1 mW
Accuracy	up to 1 W: ±15% 1 W to 50 W: ±5% 50 W to 100 W: ±10% 100 W to 500 W: ±20%
Impedance	50 Ω
Connectors	2 x "N" Female USB Serial device (B type)
Display resolution	128 x 64 pixels
Calibration storage	EEPROM
Operating time	approx. 3 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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