

## RF One Wideband Directional Power Meter

Type 3029

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



Menu:

```

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

Scope View:



Text View:

```

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

### 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

## RF One

# Wideband Directional Power Meter

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#### Functions:

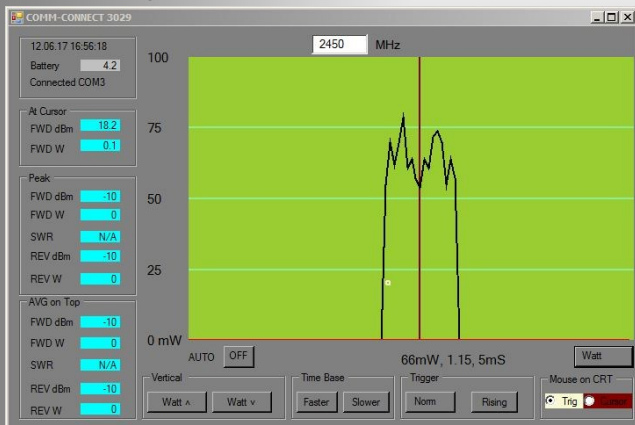
- Simultaneously measure forward, reflected & SWR
- Transflective LCD screen, visible in direct sunlight
- Back light for use in dim areas
- Save battery life with 'Auto Power off' function
- Built-In Real time clock
- Hold and store data in internal memory
- Timestamped filesystem
- Menu setup system
- Show Pulse and Modulation amplitude



#### Specifications:

- Frequency range: 380 MHz to 6000 MHz  
Reduced sensitivity (50mW): 30 MHz to 380 MHz
- Directivity: >30 dB (30 MHz to 6000 MHz)
- Dynamic range (min.): 24 dB @ 500 mW Forward Power
- Mainline VSWR: < 1.05:1
- 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: 128x64 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. 500 grams
- Compliance: 89/336/EEC  
92/31/EEC  
93/68/EEC  
EN 61000-6-4:2001  
EN 61000-6-2:2005

#### WLAN Polling:



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