



POWER ONE 3029

WIDE BAND DIRECTIONAL WATT METER



The 3029 Wideband Directional Watt Meter is a versatile transmitter power analyzer designed to cover all major communication bands from 30 MHz to 6 GHz. The instrument measures both forward and reflected power across a wide dynamic range, from milliwatts up to 500 watts, with accurate results achieved through entry of the operating frequency. In addition to power measurements, the 3029 calculates VSWR and Return Loss, providing comprehensive insight into system performance. Its integrated graphic display, similar to an oscilloscope, allows visualization of pulse and modulation characteristics for enhanced signal analysis.

The instrument features SD card memory for long-term storage of measurement data. Both live and stored data can be transferred easily to a PC via USB, enabling further analysis, reporting, and documentation. A built-in real-time clock supports accurate time-stamping and reference tracking of recorded measurements. Designed for portability, the 3029 is compact, lightweight, and battery-operated, delivering more than three hours of continuous operation using internal NiMH rechargeable cells. An optional accessory kit (P/N 3029-ACC) is available and sold separately. The kit includes a soft carrying case, vehicle charger, and a selection of standard coaxial adapters.

The 3029 Wide Band Directional Watt Meter can:

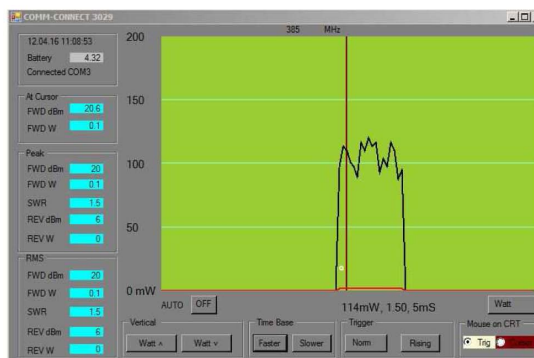
- Measure Antenna and Cable VSWR or Return Loss
- Measure forward and reflected power
- Used in direct Sunlight by Bright LCD screen
- Having Back light for use in dim areas
- Save Batteries by selectable Auto Power off
- Use time stamp by Real time clock
- Hold and store data onto SD card memory
- Handle file by time and date
- Setup by Menu system
- Show Pulse and Modulation amplitude

How can the Wide Band Directional Watt Meter do it:

- By Covering 30MHz til 6000MHz
- Stored power versus frequency calibration
- High directivity measuring coupler
- High Dynamic range from 380MHz to 6GHz
- Reduced dynamic range below 380MHz
- Displaying 128x64 pixels
- Using Calibration stored in EEPROM
- USB Serial device interface (B type)
- Running 3 hours continuously on NiMh cells

Manufacturer Warranty:

The Power One 3029 is covered by a one (1) year total warranty for parts and labor, provided the instrument is used in accordance with the instructions in this manual and has not been subjected to abuse or misuse. The warranty also covers return shipment following completed repairs.



What is your benefits:

- Fast and cost effective TX Power control
- Hand-held, light weight and rugged design
- Graphic presentation of your installation
- Stored measurements on the internal SD Card

Preliminary Specifications:

- Power range: 200μW to 500 Watts
- Frequency range: 380 MHz to 6000MHz
- Reduced sensitivity from 30MHz to 380MHz of 10mW to 500Watts.
- Directivity: >30dB (30MHz to 6000MHz)
- Mainline VSWR: < 1.05:1
- Minimum 24dB dynamic range at 500mW Forward