

MODEL 3029

RF ONE

WIDE BAND DIRECTIONAL WATT METER



The 3029 Wide Band Directional Watt Meter is a highly versatile transmitter power analyzer that effectively covers all major communication bands from 30MHz to 6000MHz. This instrument is designed to measure both forward and reflected power within the range of milliWatts up to 500Watts. To ensure precision, it requires the entry of the operating frequency.

Additionally, the 3029 Wide Band Directional Watt Meter can calculate VSWR or Return Loss, and its built-in graphic display functions like an oscilloscope, providing pulse and modulation information. The instrument features an SD card memory for storing extensive measurement data over the years. Both measured and saved data can be easily transferred to a PC running an application program via USB for further analysis and documentation. For accurate timing and referencing, the instrument comes equipped with a real-time clock.

The 3029 Wide Band Directional Watt Meter is designed to be compact, lightweight, and battery-operated, offering more than 3 hours of continuous operation on its internal NiMh cells.

Please note that the accessory kit (#3029-ACC), which includes a soft carrying bag, car charger, and coax adapters for standard types, is available upon request and is sold separately.

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:

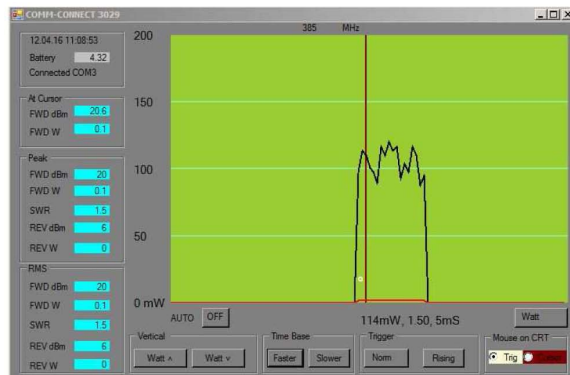
- By Covering 30MHz til 6000MHz
- Stored power versus frequency calibration
- High directivity measuring coupler
- High Dynamic range from 380MHz to 6GHz
- Reduced dynamic range below 380MHz
- Displaying 128x64 pixels
- Using Calibration stored in EEPROM
- USB Serial device interface (B type)
- Running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

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



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3400 Tupper Dr. | Greenville, NC 27834 | 252-757-0279 | www.lbagroup.com

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sales@lbagroup.com