

# Mr. Pulsar™

## *Specialized Function Generator*

### **For stray voltage recording:**

*Don't leave the farm until you know your recording setup works correctly.* Once you are set up, test each channel before you leave. Simple tests with Mr. Pulsar will verify the accuracy of your steady state voltage recordings and prove your ability to record impulses.

*Setting up digital scopes to capture impulses can be troublesome.* Use Mr. Pulsar to generate test impulses, one at time, to verify you have your instrumentation set correctly.

*When using Waveform Manager, FlukeView, WaveStar and similar software to log impulses,* use Mr. Pulsar to verify the system is recording properly before you leave the site.

*Test your Metrosonics, WaveRider, Ramcorder and Rustrack Ranger stray voltage disturbance recorders* with Mr. Pulsar to determine if your disturbance monitor is working correctly. How short of an impulse can your unit record? Is your instrument recording short duration high voltage impulses and reporting them as an overstated steady state voltage? Find out fast with Mr. Pulsar.



### **Is your True RMS meter accurate?**

The square wave output of Mr. Pulsar can be used to check the True RMS performance of your meter.

### **Check harmonic analyzers:**

Use the square wave voltage from Mr. Pulsar to test your ability to accurately measure harmonic waveforms. The output of Mr. Pulsar will provide a perfect check of your harmonic analyzer or harmonic analysis software.

### **Is your Oscilloscope or DVM accurate?**

Although Mr. Pulsar is not a certified calibration unit, the high accuracy of the unit can be used to verify that your oscilloscope or voltmeter is accurate with respect to voltage, impulse magnitude, frequency and sweep time.

### **How are your test leads affecting your measurements?**

Use Mr. Pulsar to generate a precise impulse at the remote connection and compare this recording to an impulse applied directly to the recording instrument. See exactly what effect YOUR test leads have on the recorded waveform.

### **Having problems operating your oscilloscope and data logging equipment?**

Several guides have been prepared to take you step-by-step through the operation of your test equipment. More will follow. These guides are used by Mr. Forster in his seminars on collecting data, especially low level signal data.

### **How to get more information on Mr. Pulsar**

Contact Chuck Forster at 608-835-9605 or [cforster@phasorlabs.com](mailto:cforster@phasorlabs.com). Check our website at [www.phasorlabs.com](http://www.phasorlabs.com).

### **Ordering Information:**

The unit is priced at \$525 (US) plus sales tax if applicable, which includes the complete unit plus a very rugged carrying case. A shipping and handling charge of (\$15) and sales tax for Wisconsin customers will be added. For deliveries out of the 48 United States, please request a quotation.

A company purchase order or check payable to Phasor Labs is required for payment. Shipment will be by UPS Ground.

### **Specifications:**

Output pulse: (Single pulse, non-reoccurring)  
0 to +5 volts dc magnitude.  
2 to 9,999 microsecond pulse width.  
Pulse output controlled by pushbutton.

Squarewave Output:  
0 to +5 volts dc magnitude.  
45 Hz to 60 kHz range.  
Fixed voltage output.

Output load resistance:  
Short circuit protected.  
Fixed voltage output.

Power Supply:  
Single 9 volt alkaline battery.