

## Insulation Tester/MultiMeter with Wireless PC Interface

**PRELIMINARY DATASHEET**

**Combines a 1000V Insulation Tester**

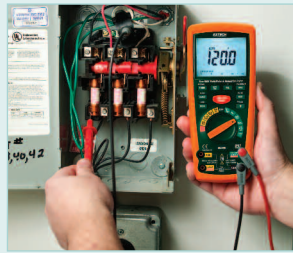
*With a full-featured True RMS MultiMeter in a single, compact instrument*

### Features:

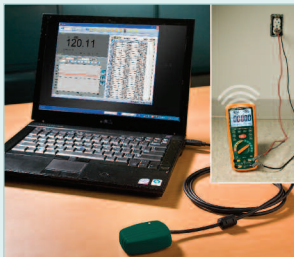
- Wireless USB interface transmits measurement data to a PC
- Backlit super large triple display
- 125V, 250V, 500V, and 1000V test voltages
- Insulation Resistance from 0.001M $\Omega$  to 4000M $\Omega$
- Auto discharge of capacitive voltage
- Lock Power On Function for hands-free operation
- Data Hold to freeze displayed reading
- Min/Max and Relative mode
- Auto power off
- Waterproof (IP67) rugged double-molded design
- Complete with remote receiver with USB cable, Windows<sup>®</sup> compatible software, test leads with alligator clips, Type K bead wire temperature probe with adapter, carrying case, and 6 x AA batteries



Measure the insulation resistance of transformer windings



Only a True RMS meter can give accurate readings of distorted waveforms



**WIRELESS Transmitter**

Continuous data streaming to your PC in real time

Specifications	Range	Resolution	Accuracy
<b>Insulation Tester</b>			
Insulation Resistance	4M $\Omega$ , 40M $\Omega$ , 400M $\Omega$ , 4000M $\Omega$	0.001M $\Omega$	$\pm 3\%$
Insulation Test Voltages	125V, 250V, 500V, 1000V		
<b>Multimeter</b>			
AC Voltage	1000V	0.1mV	$\pm 1\%$
DC Voltage	1000V	0.01mV	$\pm 0.06\%$
AC Current	10A	0.1 $\mu$ A	$\pm 1.5\%$
DC Current	10A	0.01 $\mu$ A	$\pm 1.0\%$
Resistance	40M $\Omega$	0.01 $\Omega$	$\pm 0.3\%$
Capacitance	40mF	0.001nF	$\pm 3.5\%$
Frequency	100MHZ	0.001HZ	$\pm 0.1\%$
Duty Cycle	0.1 to 99.9%	0.01	$\pm 1.2\%$
Temperature	-58 to 2192°F	0.1°F	$\pm 1\% + 4.5^\circ\text{F}$
	-50 to 1200°C	0.1°C	$\pm 1\% + 2.5^\circ\text{C}$
4-20mA%	-25 to 125%	0.01%	
Continuity/Diode	Yes		
Power source	6 x AA batteries		
Dimensions	7.8 x 3.6 x 1.9" (200 x 92 x 50mm)		
Weight	20.5oz (582g)		

### Ordering Information:

- MG300 ....Insulation Tester/True RMS MultiMeter w/Wireless PC Interface (915MHz) .....**\$399.99**  
 MG302 ....Insulation Tester/True RMS MultiMeter w/ Calibration Traceable to NIST. (433MHz) .....**\$399.99**  
 MG300 ....Insulation Tester/True RMS MultiMeter w/Wireless PC Interface (915MHz) .....**\$499.99**  
 MG302 ....Insulation Tester/True RMS MultiMeter w/ Calibration Traceable to NIST. (433MHz) .....**\$499.99**

(NOTE: USA, Mexico, and Canada use 915MHz model and majority of other countries use 433MHz model)

