

# Insulation Tester/MultiMeter with Wireless PC Interface

**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 0.001MΩ to 4000MΩ
- 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    | 4MΩ 40MΩ 400MΩ 4000MΩ              | 0.001MΩ    | ±3%         |
| Insulation Test Voltages | 125V, 250V, 500V, 1000V            |            |             |
| <b>Multimeter</b>        |                                    |            |             |
| AC Voltage               | 1000V                              | 0.1mV      | ±1%         |
| DC Voltage               | 1000V                              | 0.01mV     | ±0.06%      |
| AC Current               | 10A                                | 0.1μA      | ±1.5%       |
| DC Current               | 10A                                | 0.01μA     | ±1.0%       |
| Resistance               | 40MΩ                               | 0.01Ω      | ±0.3%       |
| Capacitance              | 40mF                               | 0.001nF    | ±3.5%       |
| Frequency                | 100MHZ                             | 0.001HZ    | ±0.1%       |
| Duty Cycle               | 0.1 to 99.9%                       | 0.01       | ±1.2%       |
| Temperature              | -58 to 2192°F                      | 0.1°F      | ±1% + 4.5°F |
|                          | -50 to 1200°C                      | 0.1°C      | ±1% + 2.5°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)  
**MG300-NIST** .....MG300 with Certificate of Calibration Traceable to NIST  
**MG302** .....Insulation Tester/True RMS MultiMeter w/Wireless PC Interface (433MHz)  
**MG302-NIST** .....MG302 with Certificate of Calibration Traceable to NIST

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