

# CAT IV 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 and Auto Power Off
- Min/Max and Relative mode
- Waterproof (IP67) rugged double-molded design
- Complete with remote receiver with USB cable, Windows<sup>®</sup> compatible software, heavy duty test leads, alligator clip test lead, 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** .....CAT IV Insulation Tester/True RMS MultiMeter w/Wireless PC Interface (915MHz)  
**MG300-NIST** .....MG300 with Certificate of Calibration Traceable to NIST  
**MG302** .....CAT IV Insulation Tester/True RMS MultiMeter w/Wireless PC Interface (433MHz)  
**MG302-NIST** .....MG302 with Certificate of Calibration Traceable to NIST  
**TL805** .....Double Injected Test Leads

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

<http://www.instrumentation2000.com>

## Contact:

Industrial Process Measurement, Inc.  
3910 Park Avenue, Unit 7  
Edison, NJ 08820  
732-632-6400  
support@instrumentation2000.com  
<http://www.instrumentation2000.com>



UL listed on MG300 only