EXTECH INSTRUMENTS
A FLIR COMPANY

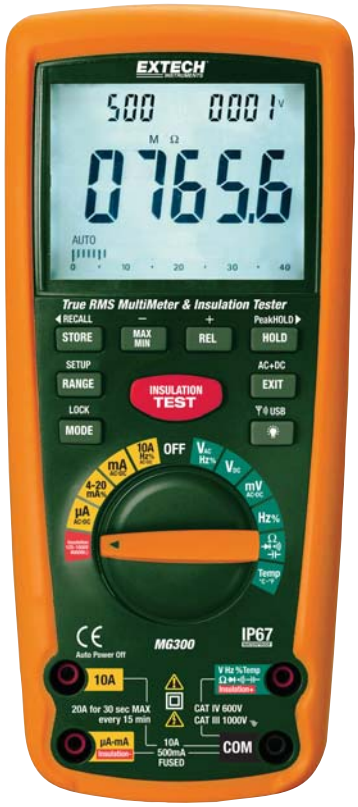
Experience the Extech Advantage

PRODUCT DATASHEET

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® 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
Insulation Tester			
Insulation Resistance	4MΩ, 40MΩ, 400MΩ, 4000MΩ	0.001MΩ	±3%
Insulation Test Voltages	125V, 250V, 500V, 1000V		
Multimeter			
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)
MG302 .....Insulation Tester/True RMS MultiMeter w/Wireless PC Interface (433MHz)

MG300-NIST .....MG300 with Certificate of Calibration Traceable to NIST
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)

FC CE IP67 Waterproof Dustproof EN 61010-1 CAT IV 600V