

# 1000V Digital Insulation and Continuity Tester



## Features

- Large LCD, dual display with backlight
- 250V/500V/1000V test voltage selection for MR testing
- AC/DC voltage measurement
- Low R function for testing connections
- Data hold
- Large 'Test' button and output voltage lock
- Continuity buzzer
- Over range indication
- Low battery warning
- Supplied with test leads, 6x AA batteries and hard plastic carry case
- Installation Categories III
- Pollution Degree 2
- Altitude up to 2000 meters
- Indoor use only
- Relatively humidity 80% max.
- Operation Ambient 0°C to 40°C

## Specifications

Display	: Large LCD with dual display
Measurement Range	: 200Ω, 200kΩ, 200MΩ/250V, 200MΩ/500V, 2000MΩ/1000V, 750V/ACV, 1000V/DCV
Sampling Rate	: 2.5 times per second
Zero Adjustment	: Automatic adjustment
Over Range Indicator	: Number 1 of highest digit is displayed
Low Battery Indication	: The  is displayed when the battery voltage drop below the operating voltage
Operating Temperature	: 0°C to +40°C (+32°F to +104°F) and Humidity below 80% RH
Storage Temperature	: -10°C to 60°C (+14°F to +140°F) and Humidity below 70% RH
Power Source	: DC9V (6x1.5V Size "AA" battery or Equivalent)
Dimensions	: 200mm×92mm×50mm (L×W×H)
Weight	: Approx 700g include battery
Accessories	: Test leads, 6pcs battery, carrying case, manual

## Electrical Specifications

OHMS				
Range	Resolution	Accuracy	Max. Open Circuit Voltage	Overload Protection
200Ω	0.1Ω	±(1%+2)	4.5V	250Vrms
200kΩ	0.1kΩ		3V	

Continuity Beeper				
Range	Resolution	Operation Resistance	Max. Open Circuit Voltage	Overload Protection
-)))	0.1Ω	Resistance ≤ 40Ω	4.5V	250Vrms
Short Circuit Current		≥200mA		



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DC Voltage				
Range	Resolution	Accuracy	Input Impedance	Overload Protection
1000V	1V	±(0.8%+3)	10MΩ	1000Vrms

AC Voltage (40Hz~400Hz)				
Range	Resolution	Accuracy	Input Impedance	Overload Protection
750V	1V	±(1.2%+10)	10MΩ	750Vrms

Meg. OHMS				
Range	Resolution	Accuracy	Terminal Voltage	
200MΩ/250V	0.1MΩ	±(3%+5)	250V+10%~-0%	
200MΩ/500V	0.1MΩ		500V+10%~-0%	
0~1000MΩ/1000V	1MΩ	±(5%+5)	1000V+10%~-0%	
1000~2000MΩ/1000V				

Range	Test Current	Short Circuit Current
200MΩ/250V	≥1mA	≤1.5mA
200MΩ/500V		
0~1000MΩ/1000V		
1000~2000MΩ/1000V		

## Part Number Table

Description	Part Number
1000V Digital Insulation and Continuity Tester	TEN01053

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