



DT-9985 Insulation Tester with True RMS Multimeter

The Insulation Multimeter combines a digital insulation tester with a full-featured, True RMS digital multimeter in a single, compact and handheld unit, which provides maximum versatility for both troubleshooting and preventative maintenance.

Features:

1. Insulation test voltages 125V, 250V, 500V, 1000V.
2. Insulation test: 0.001MΩ to 4000 MΩ
3. Auto discharge of capacitive voltage
4. Insulation test smoothing reading
5. Min/Max function
6. K-type thermocouple
7. Rugged, utility hard case
8. Auto power off to save battery power
9. True-RMS
10. Large LCD display with backlight
11. CATIII 1000V, CATIV 600V measurement category
12. IP67 Waterproof and Auto Power Off
13. Wireless USB interface

SPECIFICATION:

Multimeter			
Function	Max. Range	Resolution	Accuracy
DC Voltage	1000V	0.1V	±(0.06%reading + 4digits)
AC Voltage	1000V	0.1V	±(1.0%reading + 30digits)
DC Current	10A	0.001A	±(1.0%reading + 3digits)
AC Current	10A	0.001A	±(1.5%reading + 30digits)
Resistance	40M Ω	0.0001 M Ω	±(0.3%reading + 4digits)

Frequency	40MHz	0.01 MHz	$\pm(0.1\%\text{reading} + 1\text{digit})$				
Duty Cycle	0.1 to 99.9%	0.01%	$\pm(1.2\%\text{reading} + 2\text{digits})$				
Temperature	-50 to 1200 °C	0.1 °C	$\pm(1.0\%\text{reading} + 2.5\text{°C})$				
	-58 to 2192 °F	0.1 °F	$\pm(1.0\%\text{reading} + 4.5\text{°C})$				
4-20mA%	-25 to 125%	0.01%	$\pm 50\text{digits}$				
Insulation							
Terminal Voltage	Range	Resolution	Accuracy	Test Current	Short circuit current		
125V(0%-10%)	0.125~4.000 MΩ	0.001 MΩ	$\pm(2\% + 10)$	1mA @load 125K Ω	$\leq 1\text{mA}$		
	4.001~40.00 MΩ	0.01 MΩ	$\pm(2\% + 10)$				
	40.01~400.0 MΩ	0.1 MΩ	$\pm(4\% + 5)$				
	400.1~4000 MΩ	1 MΩ	$\pm(5\% + 5)$				
250 V (0%-10%)	0.250~4.000 MΩ	0.001 MΩ	$\pm(2\% + 10)$	1mA @load 250K Ω	$\leq 1\text{mA}$		
	4.001~40.00 MΩ	0.01 MΩ	$\pm(2\% + 10)$				
	40.01~400.0 MΩ	0.1 MΩ	$\pm(3\% + 5)$				
	400.1~4000 MΩ	1 MΩ	$\pm(4\% + 5)$				
500 V (0%-10%)	0.500~4.000 MΩ	0.001 MΩ	$\pm(2\% + 10)$	1mA @load 500K Ω	$\leq 1\text{mA}$		
	4.001~40.00 MΩ	0.01 MΩ	$\pm(2\% + 10)$				
	40.01~400.0 MΩ	0.1 MΩ	$\pm(2\% + 5)$				
	400.1~4000 MΩ	1 MΩ	$\pm(4\% + 5)$				
1000 V (0%-10%)	1.000~4.000 MΩ	0.001 MΩ	$\pm(3\% + 10)$	1mA @load 1M Ω	$\leq 1\text{mA}$		
	4.001~40.00 MΩ	0.01 MΩ	$\pm(2\% + 10)$				
	40.01~400.0 MΩ	0.1 MΩ	$\pm(2\% + 5)$				
	400.1~4000 MΩ	1 MΩ	$\pm(4\% + 5)$				
Size (H*W*D)	220mm*96.5mm*60.5mm						
Weight	631g						