DT-9985/9985B/9985RF/9986

Insulation Tester with True RMS Multimeters

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.

CE
EMC & LVD
EN: 61326
EN: 61010-1
EN: 61243
EN: 61010-3 (9030/9130)

EN 61010-1 CAT III 1000V

EN 61010-1 CAT IV 600V

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Features	DT-9985	DT-9985RF	DT-9986
Save both time and money with Automatic calculation of Polarization Index and Dielectric Absorption Ratio			*
200 mA Continuity			*
Compare function (pass/fail) for fast repeated tests			*
Insulation test voltages 125V, 250V, 500V, 1000V	*	*	*
Insulation test: 0.001MΩ to 4000MΩ	*	*	*
Auto discharge of capacitive voltage	*	*	*
Insulation test smoothing reading	*	*	*
Min/Max function	*	*	*
K-type thermocouple	*	*	*
Rugged, utility hard case	*	*	*
Auto power off to save battery power	*	*	*
True-RMS	*	*	*
Large LCD display with backlight	*	*	*
CAT III 1000V, CAT IV 600V measurement category	*	*	*
IP67 Waterproof and Auto Power Off	*	*	*
Wireless USB interface		*	*

Size(HxWxD): 220mm x 96.5mm x 60.5mm
Weight: 631g

Specifications					
Multimeter					
Function	Max Range	Resolution	Basic Accuracy		
DC Voltage	1000V	0.1V	±(0.06% reading + 4digits)		
AC Voltage	1000V	0.1V	±(1.0% reading + 30 digits)		
DC Current	10A	0.001A	±(1.0% reading + 3 digits)		
AC Current	10A	0.001A	±(1.5% reading + 30digits)		
Resistance	40MΩ	0.0001MΩ	±(0.3% reading + 4 digits)		
Frequency	40MHz	0.01MHz	±(0.1% reading + 1 digits)		
Duty Cycle	0.1 to 99.90%	0.01%	±(1.2% reading + 2 digits)		
Temperature	-50 to 1200°C/ -58 to 2192°F	0.1°C / 0.1°F	±(1.0% reading + 2.5°C/4.5°F)		
4-20mA%	-25 to 125%	0.01%	±50 digits		
Insulation					
Terminal Voltage	Range	Resolution	Accuracy	Test Current	Short circuit current
125V (0% ~10%)	0.125~4.000MΩ 4.001~40.00MΩ 40.01~400.0MΩ 400.1~4000MΩ	0.001MΩ 0.01MΩ 0.1MΩ 1MΩ	±(2%+10) ±(2%+10) ±(4%+5) ±(5%+5)	1mA @load125kΩ	≤1mA
250V (0% ~10%)	0.250~4.000MΩ 4.001~40.00MΩ 40.01~400.0MΩ 400.1~4000MΩ	0.001MΩ 0.01MΩ 0.1MΩ 1MΩ	±(2%+10) ±(2%+10) ±(3%+5) ±(4%+5)	1mA @load250kΩ	≤1mA
500V (0% ~10%)	0.500~4.000MΩ 4.001~40.00MΩ 40.01~400.0MΩ 400.1~4000MΩ	0.001MΩ 0.01MΩ 0.1MΩ 1MΩ	±(2%+10) ±(2%+10) ±(2%+5) ±(4%+5)	1mA @load1500kΩ	≤1mA
1000V (0% ~0%)	1.000~4.000MΩ 4.001~40.00MΩ 40.01~400.0MΩ 400.1~4000MΩ	0.001MΩ 0.01MΩ 0.1MΩ 1MΩ	±(3%+10) ±(2%+10) ±(2%+5) ±(4%+5)	1mA @load1MΩ	≤1mA

Accessories:
Test leads, 6x1.5V"AAA" batteries, Type K temperature probe, USB cable and Software(9985RF/9986), gift box with carrying case.