

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

- Wide range measurements from 125V to 1000V and up to 1000MΩ.
- Large 4000 counts digital display with bargraph and backlight.
- MAX/MIN, PEAK, Relative value & Data hold functions for DC/AC voltage measurements
- Polarization index measurement(PI).
- Auto ranging & Timer measurement function.
- Indication of output voltage and discharge voltage.
- Voltage output warning function.
- Auto power off and battery check.
- Safety standard IEC61010-1 CAT IV 600V



EMC & LVD  
EN: 61326  
EN: 61010-1  
EN: 61010-02-032  
EN: 61010-02-033



**Specifications**

Function	Insulation resistance				Voltage		Resistance
	125V	250V	500V	1000V	AC/DCV	AC/DCmV	5VDC Output
Range	125V	250V	500V	1000V	AC/DCV	AC/DCmV	5VDC Output
Measuring range (Auto ranging)	0.125~1000MΩ	0.250~1000MΩ	0.500~1000MΩ	1.000~1000MΩ	0~600.0V (50~1kHz)	0~500.00mV (50~1kHz)	0~20.00Ω 20.0~200.0Ω 200~2000Ω
Accuracy	±3%rdg ±2dgt				±1.5%rdg ±5dgt		±1.5%rdg ±3dgt
Short Circuit Current	1mA approx				-		-
Rated test Current (at load Resistance)	1mA@ load 125kΩ	1mA@ load 250kΩ	1mA@ load 500kΩ	1mA@ load 1MΩ	-		-
Open circuit voltage	125VDC/+10%-0%	250VDC/+10%-0%	500VDC/+10%-0%	1000VDC/+10%-0%	-		-
Continuity check	Buzzer sounds at 50Ω				-		-
Display	4000 Counts				-		-
Current consumption	About 30mA				-		-
Safety standard	IEC 61010-1 CAT IV 600V Pollution Degree 2				-		-
Power supply	DC12V : 8 x1.5V“AA” batteries				-		-
Accessories	Test leads, Instruction Manual and 120V/250V AC adaptor				-		-

Size(HxWxD): 220mm x 96.5mm x 60.5mm Weight: 631g Accessories:Test leads, 8 x1.5V“AA” batteries, gift box with carrying case.

**DT-6611 LOOP/PSC Tester**



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**Specifications**

Measurement specifications	Range	Resolution	Accuracy
Loop Impedance	0.05...1999Ω	0.01...1Ω	±(5%rdg,+5Digits)
Resistance neutral connector	0.05...19.99Ω	0.01Ω	±(5%rdg,+5Digits)
Resistance phase connector	0.05...19.99Ω	0.01Ω	±(5%rdg,+5Digits)
Resistance earth connector	0.05...1999Ω	0.01...1Ω	±(5%rdg,+5Digits)
Prospective short circuit current	0...20KA	1A	10A
Voltage	0...440V	1V	±(3%rdg,+3Digits)
Mains frequency	10...200Hz	0.1Hz	±(1%rdg,+3Digits)
Contact voltage	25V/50V(selectable)		

**DT-6612 RCD Tester**



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**Specifications**

	Range	Resolution	Accuracy
Nominal test current	10/30/100/500mA/1A		(-0%+10%)+6Digits
Current selection	0.5 x, 1x, 5 x nominal current		
Trip time	2000 ms at 0.5 x, 1x 50 ms at 5x	1ms	±(2%rdg,+2Digits)
Ramp test	0.4 x to 1.4 times		10 %
Mains voltage	230V	1V	+10%/-10%

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**

	9985	9985B/9985RF	9986
Save both time and money with Automatic calculation of Polarization Index and Dielectric Absorption Ratio			*
Slim probes designed with test button		9985B	
200 mA Continuity			*
Compare function (pass/fail) for fast repetitive 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	*	*	*

**Specifications (9985/9985B/9985RF/9986)**

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	0.1°C	±(1.0% reading + 2.5°C)		
	-58 to 2192°F	0.1°F	±(1.0% reading + 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	0.001MΩ	±(2%+10)	1mA @load125kΩ	≤1mA
	4.001~40.00MΩ	0.01MΩ	±(2%+10)		
	40.01~400.0MΩ	0.1MΩ	±(4%+5)		
250V(0% ~10%)	400.1~4000MΩ	1MΩ	±(5%+5)	1mA @load250kΩ	≤1mA
	0.250~4.000MΩ	0.001MΩ	±(2%+10)		
	4.001~40.00MΩ	0.01MΩ	±(2%+10)		
500V(0% ~10%)	40.01~400.0MΩ	0.1MΩ	±(3%+5)	1mA @load1500kΩ	≤1mA
	400.1~4000MΩ	1MΩ	±(4%+5)		
	0.500~4.000MΩ	0.001MΩ	±(2%+10)		
1000V(0% ~0%)	4.001~40.00MΩ	0.01MΩ	±(2%+10)	1mA @load1MΩ	≤1mA
	40.01~400.0MΩ	0.1MΩ	±(2%+5)		
	400.1~4000MΩ	1MΩ	±(4%+5)		
	1.000~4.000MΩ	0.001MΩ	±(3%+10)		
	4.001~40.00MΩ	0.01MΩ	±(2%+10)		
	40.01~400.0MΩ	0.1MΩ	±(2%+5)		
	400.1~4000MΩ	1MΩ	±(4%+5)		

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

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



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Model 9985B



Model 9985RF