

DT-9985/9985B/9985RF/9986

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

	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 + 4 digits)		
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 + 30 digits)		
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)		
	400.1~4000MΩ	1MΩ	±(5%+5)		
250V(0%~10%)	0.250~4.000MΩ	0.001MΩ	±(2%+10)	1mA @load250kΩ	≤1mA
	4.001~40.00MΩ	0.01MΩ	±(2%+10)		
	40.01~400.0MΩ	0.1MΩ	±(3%+5)		
	400.1~4000MΩ	1MΩ	±(4%+5)		
500V(0%~10%)	0.500~4.000MΩ	0.001MΩ	±(2%+10)	1mA @load1500kΩ	≤1mA
	4.001~40.00MΩ	0.01MΩ	±(2%+10)		
	40.01~400.0MΩ	0.1MΩ	±(2%+5)		
	400.1~4000MΩ	1MΩ	±(4%+5)		
1000V(0%~0%)	1.000~4.000MΩ	0.001MΩ	±(3%+10)	1mA @load1MΩ	≤1mA
	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.

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



Model 9985B



Model 9985RF



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