

Тестеры DT-5302/5500/5520/5530, DT-5505/6505/6505F/6508B, DT-6505B/6509/6605, DT-6613/5503

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DT-5302 DMM with Kelvin(4-wire) small resistance measurement

- Four terminal Kelvin measurement
- 4000 counts 3³/₄ digital LCD display with backlit
- High resolution to 0.1mΩ with test current to 200mA
- Low battery indication
- Over load protection on all ranges

Features

High accuracy, high resolution portable Milliohm Meter or field use
 Digital display 4000 counts
 Safety design
 Relative zero & Data Hold
 MAX/MIN recording mode
 Auto Power Off
 400mΩ Low Resistance & Wide 40mF capacitance range
 Diode Check & Continuity Test

Specifications

Function	Max. Range	Basic Accuracy
Low Resistance	400mΩ, 4Ω, 40Ω	±(1.0%+5d)
Voltage DC	1000 V	±(1.0%+2d)
Voltage AC	1000V	±(1.2%+5d)
Current DC	400mA	±(1.0%+2d)
Current AC	400mA	±(1.2%+5d)
Resistance	40MΩ	±(1.0%+5d)
Capacitance	40mF	±(3.0%+10d)

Size(HxWxD): 200mm x 92mm x 50mm
Weight: 582g

Accessories:

Rubber holster, 4-wire cable and 6x1.5V “AA” battery, test leads, gift box with carrying case.

- Double molded plastic housing
- CAT III 1000V



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



Model 5302



DT-5500/5520/5530

Insulation Testers

CEM

- 1mA test current for MegOhm range at rated voltage
- 200mA short current for continuity range

Features

	5500	5520	5530
Meets IEC10101, CATIII 1000V	*	*	*
Large dual display with backlight	*	*	*
Test hold function for easy operation	*	*	*
Easy to carry testing package	*	*	*
Over range indication	*	*	*
Low battery indication	*	*	*
Measurement range(Ω)	200 /2000M		
		20M/200M/2000M	
			20M/200M/2000M

Specifications

	Range	Max Resolution	Accuracy
Voltage AC	750V	1V	±1.2%rdg ±10dgt
Voltage DC	1000V	1V	±0.8%rdg ±3dgt
Resistance	200Ω, 2000Ω	0.1Ω, 1Ω	±1%rdg ±2dgt
Insulation Resistance	200MΩ, 2000MΩ	100kΩ~1MΩ	±3.5%rdg ±5dgt
	20MΩ(5520 only)	10kΩ	±3.5%rdg ±5dgt
Test Voltage	250V-200MΩ/500V-200MΩ/1000V-2000MΩ, (500V-20MΩ only 5520)		
Continuity Test	Active Sound Level: ≤40Ω, Test current ≤200mA		
Operating Temp	0°C~40°C(<80%R.H.)		
Storage Temp	-10°C~60°C(<70%R.H.)		
Power Source	1.5V “AA” size Battery x 6		



EMC & LVD
 EN: 61326
 EN: 61010-1
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- Double molded plastic housing
- CAT III 1000V



Model 5500

Size(HxWxD): 200mm x 92mm x 50mm
Weight: 582g

Accessories:

Test leads, “AA” Battery x 6 and gift box with carrying case.



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

- Double molded plastic housing
- CAT III 1000V

Large dual LCD display with bargraph



Model 5505

When doing power installation, 5505 can provide some special help. When doing insulation test, it can provide 125V, 250V, 500V and 1000V source for the test and under each range it can supply more 1mA current to feed the capacitance load. With the auto-range function, it can measure up to 4000 MegaOhm with the resolution of 1Kohm. These characteristics are also specified in the safety regulations in CE document.

- Auto-discharge of capacitive voltage for added user protection
- Live circuit detection prevents insulation test if voltage >30V is detected for added user protection
- Min/Max recording & Data Hold
- 1mA test current for MegOhm range at rated voltage
- 200mA short current for continuity range
- Additional test voltages 125V, 250V, 500V, 1000V

Features

- Meets IEC10101, CATIII 1000V
- Large dual display with analog bargraph & backlight
- Test hold & lock function for easy operation
- Easy to carry testing package
- Over range Indication
- Low Battery Indication
- Includes 6 AA batteries, test leads and plastic carrying case

Specifications

	Range	Max Resolution	Basic accuracy
Voltage AC	750V	1V	$\pm 1.2\% \text{rdg} \pm 10 \text{dgt}$
Voltage DC	1000V	1V	$\pm 0.8\% \text{rdg} \pm 3 \text{dgt}$
Resistance	40 Ω , 400 Ω	0.01 Ω , 0.1 Ω	$\pm 1.5\% \text{rdg} \pm 6 \text{dgt}$
Insulation Resistance	4M, 40M, 400M, 4000M Ω	1k Ω ~1M Ω	$\pm 2.0\% \text{rdg} \pm 6 \text{dgt}$
Test Voltage & Current	125V/250V/500V/1000V & 1mA nominal		
Continuity Test	Active Sound Level: $\leq 40 \text{dB}$, Test current $\leq 200 \text{mA}$		
Operating Temp	0°C~40°C(<80%R.H.)		
Storage Temp	-10°C~60°C(<70%R.H.)		
Power Source	1.5V "AA" size Battery x 6		



Accessories:

Test leads, "AA" Battery x 6
and gift box with carrying case.

Size(HxWxD): 200mm x 92mm x 50mm
Weight: 582g



DT-6505/6505F

Insulation Tester & High Resolution Low Ohm Meter with True RMS Multimeter

CEM

The Insulation and Low Ohm 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

	6505	6505F
Rugged, utility hard case	*	*
Auto power off to save battery power	*	*
True-RMS	*	*
Data logged	*	*
Low pass filter for accurate measurement of variable frequency drive (VFD) signals	*	*
CAT III 1000V, CAT IV 600V measurement category	*	*
Bluetooth interface	*	*
Save both time and money with Automatic calculation of Polarization Index and Dielectric Absorption Ratio	*	*
Slim probes designed with test button	*	*
200 mA Continuity & Low Ohm range measurement	*	*
Compare function (pass/fail) for fast repetitive tests	*	*
Insulation test voltages 125V, 250V, 500V, 1000V	*	*
Insulation test: 0.001MΩ to 5000MΩ	*	*
Auto discharge of voltage test signal	*	*
Insulation test smoothing reading	*	*
K-type thermocoup	*	*
AC 3000A Current test	*	*



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EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Model 6505F



Specifications

Multimeter				6505	6505F
Function	Max Range	Max Resolution	Basic Accuracy		
DC Voltage	1000V	0.1V	±(0.1% + 4)	*	*
AC Voltage	1000V	0.1V	±(1.0% + 5)	*	*
Low Z AC Voltage	600V	1mV	±(3.0% + 40)		
AC+DC Voltage	1000V	0.1V	±(3.0% + 40)		
DC Current	10A	0.001A	±(1.0% + 3)	*	*
AC Current	10A	0.001A	±(1.5% + 3)	*	*
AC 3000A Current	3000A	0.01A	±(3.0% + 3)		*
Resistance	50MΩ	0.01Ω	±(1.0% + 4)	*	*
Capacitance	5000μF	0.1μF	±(3.5% + 10)	*	*
Frequency	50MHz	0.001MHz	±(0.1% + 1)	*	*
Duty Cycle	0.1 to 99.90%	0.01%	±(1.0% + 2)	*	*
Temperature	-50 to 1200°C	0.1°C	±(1.0% + 2.5°C)	*	*
	-58 to 2192°F	0.1°F	±(1.0% + 4.5°F)	*	*
Insulation Tester					
Terminal Voltage	Range	Max Resolution	Accuracy	Test Current	
125V(0%~10%)	0.125~5000MΩ	0.001MΩ	±(2%+10)	1mA @load125kΩ	*
250V(0%~10%)	0.250~5000MΩ	0.001MΩ	±(2%+10)	1mA @load250kΩ	*
500V(0%~10%)	0.500~5000MΩ	0.001MΩ	±(2%+10)	1mA @load1500kΩ	*
1000V(0%~0%)	1.000~5000MΩ	0.001MΩ	±(2%+10)	1mA @load1MΩ	*
Low Ohm Meter					
	Range	Resolution	Accuracy	Max. open Circuit Voltage	
Resistance	0.000~5.000Ω	0.001Ω	±(1.5% + 30)	5 ±1V	*
	5.00~50.00Ω	0.01Ω	±(1.5% + 3)		
	50.0~500.0Ω	0.1Ω	±(1.5% + 3)		
	500~2000Ω	1Ω	±(1.5% + 5)		

Size(HxWxD): 97mm x 210mm x 68mm Weight: 634g

Accessories: Test leads, 6 x1.5V“AAA” batteries, Type K temperature probe and Software, gift box with carrying case.

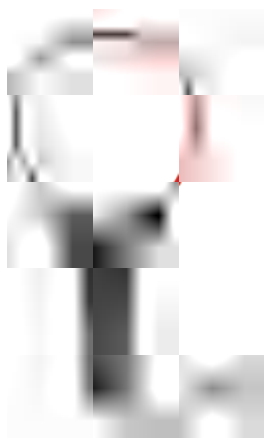
Model DT-320BS
3000AAC
Flexible clamp (optional)



Model 6505



6508B Professional Insulation Tester & High Resolution Meter with True RMS InfraRed Thermal Image Multimeter design, providing fast A/D converting sampling time, high accuracy, with datalogging features. advanced system Platform permits smart multifunctions such as updating software on line, PC calibration etc.



Model DT-320BS

3000A AC Flexible clamp
(optional)



Model 6508B



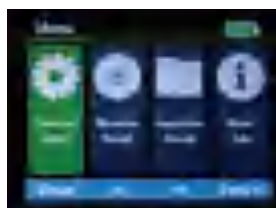
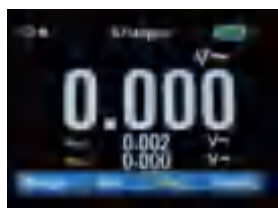
EMC & LVD

EN: 61326

EN: 61010-1

EN: 61010-02-032

EN: 61010-02-033



Meterbox Pro

Features

Large 240 x 320 3.5" RGB color 6000 counts LCD display

Insulation test voltages 125V, 250V, 500V, 1000V

Insulation test: 0.001MΩ to 6000MΩ

PI/DAR timed ratio tests

Logging function with Trend Capture for easy review of logged data

Low pass filter for accurate measurement of variable frequency drive (VFD) signals

AC, AC+DC true-RMS measurements & 1kHz ACV, ACA bandwidth

3000A Flexible Coil Current Measurements (Optional)

Peak capture (records transients as fast as 500μs)

Min/Max/Average with Time stamp (records signal fluctuations)

High voltage and overload indication

Lock power on function for hands-free operation

K-type thermocoup

Auto discharge of voltage test signal

Support capture screen capabilities

Bluetooth BLE instant share function

Easy to view and analyze images quickly

CAT III 1000V, CAT IV 600V measurement category

Specifications

True RMS Multimeter Functions

Function	Max. Range	Max. resolution	Best Accuracy
Voltage DC	1000V	1mV	±(0.5% + 5)
Voltage AC	1000V	1mV	±(1.0% + 5)
Low Z AC Voltage	600V	1mV	±(3.0% + 40)
Current DC	10A	0.1μA	±(0.9% + 5)
Current AC	10A	0.1μA	±(1.2% + 5)
AC 3000A Current	100mV/1A	1A	±(2.5% + 10)
Temperature	-20°C to 1000°C -4°F to 1832°F	0.1/1°C 0.1/1°F	±(30% + 5°C)
Resistance	60MΩ	0.1Ω	±(1.5% + 5)
Capacitance	6000μF	10pF	±(3.0% + 5)
Frequency (electrical)	9.999kHz	1Hz	±(0.09% + 5)
Diode and Continuity	Yes		
Power Supply	6 hours Li-ion rechargeable battery; AC Adaptor/charger		

Insulation Tester

Terminal Voltage	Range	Max. Resolution	Accuracy	Test Current
125V(0% ~20%)	0.125~6000MΩ	0.001MΩ	±(2%+10)	1mA @load125kΩ
250V(0% ~20%)	0.250~6000MΩ		±(2%+10)	1mA @load250kΩ
500V(0% ~20%)	0.500~6000MΩ		±(2%+5)	1mA @load1500kΩ
1000V(0% ~20%)	1.000~6000MΩ		±(3%+5)	1mA @load1MΩ

Size(HxWxD): 97mm x 210mm x 68mm Weight: 634g

Accessories: Test leads, 6 x AA Batteries, Type K temperature probe, Software, gift box with carrying case.



Model DT-320BS

**3000AAC Flexible clamp
(optional)**

Model 6505B



The Insulation and Low Ohm 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.



EMC & LVD

EN: 61326

EN: 61010-1

EN: 61010-02-032

EN: 61010-02-033



Features

Lock power on function for hands-free operation
Rugged, utility hard case
Auto power off to save battery power
True-RMS
Low pass filter for accurate measurement of variable frequency drive (VFD) signals
CAT III 1000V, CAT IV 600V measurement category
Slim probes designed with test button
200 mA Continuity & Low Ohm range measurement
Insulation test voltages 125V, 250V, 500V, 1000V
Insulation test: 0.001MΩ to 4000MΩ
High voltage and overload indication
Low Resistance function with zero mode
Auto discharge of voltage test signal
Insulation test smoothing reading
AC 3000A Current test
Low Z AC Voltage test

Specifications

Multimeter				
Function	Max Range	Max Resolution	Basic Accuracy	
DC Voltage	1000V	0.1V	±(0.5%+5)	
AC Voltage	1000V	0.1V	±(1.0%+5)	
Low Z AC Voltage	600V	1mV	±(3.0% + 40)	
AC+DC Voltage	1000V	0.1V	±(3.0% + 40)	
AC 3000A Current	3000A	0.01A	±(2.5%+10)	
Temperature	-20 to 1000°C	0.1°C	±(1.0% + 2.5°C)	
	-4 to 1832°F	0.1°F	±(1.0% + 4.5°F)	
Insulation Tester				
Terminal Voltage	Range	Max Resolution	Accuracy	Test Current
125V(0%~10%)	0.125~4000MΩ	0.001MΩ	±(2%+10)	1mA @load125kΩ
250V(0%~10%)	0.250~4000MΩ	0.001MΩ	±(2%+10)	1mA @load250kΩ
500V(0%~10%)	0.500~4000MΩ	0.001MΩ	±(2%+10)	1mA @load1500kΩ
1000V(0%~0%)	1.000~4000MΩ	0.001MΩ	±(2%+10)	1mA @load1MΩ
Low Ohm Meter				
	Range	Resolution	Accuracy	Max. open Circuit Voltage
Resistance	0~400Ω	0.001Ω	±(1.0% + 5)	>5V
	400Ω~4KΩ	0.01Ω	±(1.2% + 5)	

Size(HxWxD): 97mm x 210mm x 68mm **Weight:** 634g

Accessories: Test leads, 6 x 1.5V“AA” batteries, Type K temperature probe and Software, gift box with carrying case.

DT-6509

3 in 1 Professional Insulation Tester with Thermal Imager

CEM



6509 Professional Insulation Tester & High Resolution Micro-ohm Meter with True RMS InfraRed Thermal Image Multimeter design, providing fast A/D converting sampling time, high accuracy, with datalogging features. advanced system Platform permits smart multifunctions such as updating software on line, PC calibration etc.

Thermview+ software & cloud server support to transfer the measured data to the customer's smartphone for edit and storage.

- TFT color LCD display
- PC Calibration

- Insulation Tester
- High Resolution Micro-ohm Meter
- True RMS InfraRed Thermal Image Multimeter

Features

Built-in Thermal Imager design quickly identifies hot spots without contact
Large 240 x 320 3.5" TFT color 6000 counts LCD display
Insulation test voltages 125V, 250V, 500V, 1000V
Insulation test: 0.001MΩ to 60.00GΩ
Polarization index measurement(PI).
1 uΩ High resolution micro-ohm meter
Logging function with Trend Capture for easy review of logged data
Low pass filter for accurate measurement of variable frequency drive (VFD) signals
AC, AC+DC true-RMS measurements & 1kHz ACV, ACA bandwidth
3000A Flexible Coil Current Measurements (Optional)
A/D convert fast sampling time: 10 Times/sec.
Peak capture (records transients as fast as 500μs)
Min/Max/Average with Time stamp (records signal fluctuations)
MicroSD memory card
Support capture screen capabilities
Bluetooth BLE instant share function
Easy to view and analyze images quickly

Specifications

Thermal Imager	
IR resolution	80x80 pixels
Field of View (FOV)	21° x 21°
Thermal sensitivity/NETD	< 0.1°C@ +30°C(+86°F)/100mK
Image frequency	50Hz
Object temperature range	range: -20 to 260°C (-4 to 500°F)
Focus mode/ Focal length	Focus free/ 7.5mm
Spectral range	8-14 μm
Color palettes	IRON/Rainbow/Grey/Grey Inverted
Accuracy	±3°C (±5.4°F) or ±3% of reading (Environment temperature 10°C-35°C, object temperature >0°C.)

True RMS Multimeter Functions

Function	Max. Range	Max. resolution	Best Accuracy
Voltage DC	1000V	100mV	±(0.09% + 5)
Voltage AC	1000V	100mV	±(0.8% + 5)
Current DC	10A	0.1μA	±(0.9% + 5)
Current AC	10A	0.1μA	±(1.2% + 5)
Resistance	60MΩ	0.1Ω	±(0.5% + 5)
Capacitance	6000uF	0.01nF	±(1.2% + 8)
Frequency (electrical)	10kHz	0.01Hz	±(0.09% + 5)
Diode and Continuity	Yes		
Power Supply	6 hours Li-ion rechargeable battery;AC Adaptor/charger		

Insulation Tester

Terminal Voltage	Range	Max. Resolution	Accuracy
125V(0%~10%)	0.125~60.00GΩ	0.001MΩ	±(2%+10)
250V(0%~10%)	0.250~60.00GΩ		±(2%+10)
500V(0%~10%)	0.500~60.00GΩ		±(2%+10)
1000V(0%~0%)	1.000~60.00GΩ		±(3%+10)

Micro-ohm Meter

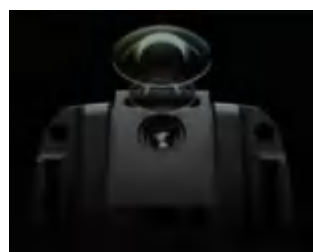
Resistance	60mΩ	1μΩ	±(0.25% + 25μΩ)
	600mΩ	10μΩ	±(0.25% + 250μΩ)
	6Ω	100μΩ	±(0.25% + 2.5mΩ)
	60Ω	1mΩ	±(0.25% + 25mΩ)



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



Model 6509



Size(HxWxD): 97mm x 210mm x 68mm Weight: 634g

Accessories: Test leads, Li-ion batteries, Type K temperature probe, Software, gift box with carrying case.

- Wide range measurements from 500V to 5000V and up to 60GΩ.
- Large 6000 counts digital display with bargraph and backlight.
- Polarization index measurement (PI).
- Auto ranging & Timer measurement function.
- Indication of output voltage and discharge voltage.
- Auto-discharge function and voltage output warning function.
- Auto power off and battery check.
- MAX/MIN, PEAK, Relative value & Data hold functions for DC/AC voltage measurements
- Safety standard IEC61010-1 CAT IV 600V



EMC & LVD

EN: 61326

EN: 61010-1

EN: 61010-02-032

EN: 61010-02-033



Model 6605

Specifications

Function	Insulation resistance				Voltage	Resistance
Range	500V	1000V	2500V	5000V	AC/DCV	
Measuring range (Auto ranging)	0~6.000MΩ 6~60.00MΩ 60~600.0MΩ 600~6000MΩ	0~6.000MΩ 6~60.00MΩ 60~600.0MΩ 600~6000MΩ	0~60.00MΩ 60~600.0MΩ 0.6~6.000GΩ 6~60.00GΩ	60~60.00MΩ 60~600.0MΩ 0.6~6.000GΩ 6~60.00GΩ	0~600.0V (50~1kHz)	0~600.0Ω 600~6000Ω
Accuracy	±5%rdg ±3dgt ; ±20% (>6GΩ or more)				±1.5%rdg ±5dgt	±1.5%rdg ±10dgt
Short Circuit Current	1.3mA approx				-	
Rated test Current (at load Resistance)	1mA-1.2mA 0.5MΩ	1mA-1.2mA 1MΩ	1mA-1.2mA 2.5MΩ	1mA-1.2mA 5MΩ	-	
Open circuit voltage	500VDC/+20%-0%	1000VDC/+20%-0%	2500VDC/+20%-0%	5000VDC/+20%-0%	-	
Continuity check	Buzzer sounds at 50Ω					
Display	6000 Counts					
Current consumption	About 1000mA (During measurement)				25mA approx.	
Withstand voltage	5320V AC for 5 seconds					
Safety standard	IEC 61010-1 CAT IV 600V Pollution Degree 2					
Power supply	DC12V : R14 x 8					
Dimension	198 (L) x 148 (W) x 86 (D) mm					
Weight	1438g approx.					
Accessories	Test leads, Instruction manual and 120V/250V AC adaptor					

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
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-5503 Analogue Insulation Tester

The 5503 is a highly compact and easy to use Insulation and Continuity Tester. The instrument offers three insulation test ranges: 250V, 500V and 1000V, a 3Ω continuity range and a 500Ω resistance range. This meter is not only equipped with a “Live Circuit Warning” but also displays the actual AC voltage measurements of the mains supply.

Specifications	
DC Test Voltage	250V 500V 1000V
Measuring Ranges (Mid-Scale Value)	0-100MΩ(1MΩ);0-200MΩ(2MΩ);0-400MΩ(4MΩ)
Rated Current	1mA DC+20%, -0%
Output short Circuit Current	1.3mA DC approx
Accuracy Guaranteed Ranges	0.05-10MΩ ±5%; 0.1-20 Ω ±5%; 0.2 -40MΩ ±5%;
Accuracy	±7% of Scale length at ranges other than above ranges

Continuity Test Ranges	
Accuracy	±1.5% of Scale Length
Open Circuit Voltage Output	4.1VDC (Approx)
Short Circuit Current Output	210mA Min
AC Voltage Warning	
AC Voltage Range	0-600V AC for 30 seconds
Accuracy	±5% of Scale Length
Input Impedance	1.2MΩ
General	
Withstand Voltage	7400V AC 50Hz or 60Hz for one minute between electrical circuits and housing case
Safety Standards	IEC 61010-1 CAT III



Size(HxWxD): 200mm x 92mm x 50mm
Weight: 546g

Accessories:
Test leads, “AA” Battery x 6 and
gift box with carrying case.

Model 5503



По вопросам продаж и поддержки обращайтесь:

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