

# HIOKI

## INSULATION TESTER IR4000 series

A Full Line-up of Insulation Testers to Suit Any Need



From Basic Testing to  
High Performance Analysis

CE

# 2 INSULATION TESTER SERIES

## Selection guide

Model	IR4056	IR4057	IR4053	IR4016 to IR4018			3490	3455	
									
Basic Specifications									
Display	Digital	Digital (Bar graph)	Digital	Analog Meter			Analog Meter	Digital (Bar graph)	
				IR4016	IR4017	IR4018			
Display backlight function	✓	✓	✓	✓	✓	✓	✓	✓	
Testing voltage	50V DC	✓	✓	✓	N/A	N/A	N/A	N/A	
	125V DC	✓	✓	✓	N/A	N/A	N/A	N/A	
	250V DC	✓	✓	✓	N/A	N/A	N/A	✓	
	500V DC	✓	✓	✓	✓	✓	N/A	✓	
	1000V DC	✓	✓	✓	N/A	N/A	✓	✓	
	2500V DC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓
	5000V DC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓
Effective maximum indicated value	100 MΩ (50 V) 250 MΩ (125 V) 500 MΩ (250 V) 2000 MΩ (500 V) 4000 MΩ (1000 V)	100 MΩ (50 V) 250 MΩ (125 V) 500 MΩ (250 V) 2000 MΩ (500 V) 4000 MΩ (1000 V)	100 MΩ (50 V) 250 MΩ (125 V) 500 MΩ (250 V) 2000 MΩ (500 V) 4000 MΩ (1000 V)	100 MΩ (500 VDC)	1000 MΩ (500 VDC)	2000 MΩ (1000 VDC)	100 MΩ (250, 500 VDC) 4000 MΩ (1000 VDC)	250 GΩ (250 V) 500 GΩ (500 V) 1.00 TΩ (1 kV) 2.50 TΩ (2.50 kV) 5.00 TΩ (5.00 kV)	
Low resistance	✓	✓	N/A	N/A	N/A	N/A	✓	N/A	
AC Voltage	✓	✓	✓	✓	✓	✓	✓	✓	
DC Voltage	N/A	N/A	✓	N/A	N/A	N/A	N/A	N/A	
PV dedicated function	N/A	N/A	✓	N/A	N/A	N/A	N/A	N/A	
Functions									
Comparator	✓	✓	✓	N/A	N/A	N/A	N/A	N/A	
Memory	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓	

## INSULATION TESTER

# IR4056



Our most popular model offering reading stability in medium-speed digital format

- 5-range testing voltage 50 V/100 MΩ to 1000 V/4000 MΩ
- Drop proof onto concrete from 1m (3.28 feet)
- Continuity check via 200 mA testing
- Complies with EN61557

Order Code: IR4056-20 (economic model)

### Specifications (Accuracy guaranteed for 1 year, Post-adjustment accuracy guaranteed for 1 year)

Insulation resistance	Testing voltage	50 VDC	125 VDC	250 VDC	500 VDC	1000 VDC
	Effective maximum indicated value	100 MΩ	250 MΩ	500 MΩ	2000 MΩ	4000 MΩ
	First effective measurement range [MΩ]	±4 % rdg.				
		at 0.200 to 10.00	at 0.200 to 25.00	at 0.200 to 50.0	at 0.200 to 500	at 0.200 to 1000
	Second effective measurement range [MΩ]	±8% rdg.				
		at 10.1 to 100.0	at 25.1 to 250	at 50.1 to 500	at 501 to 2000	at 1010 to 4000
Other measurement range [MΩ]	±2 %rdg. ±6dgt.					
	at 0 to 0.199					
Lower limit resistance value to maintain nominal output voltage	0.05 MΩ	0.125 MΩ	0.25 MΩ	0.5 MΩ	1 MΩ	
Overload protection	600 VAC (10 s)				1200 VAC (10 s)	

resistance	Measurement range: 10.00 Ω / 100.0 Ω / 1000 Ω Measuring current: 200 mA or more (at 6 Ω or less ) Accuracy (after zero adjustment) : ±3%rdg. ±2dgt. (0 to 0.19 Ω: ±3dgt. 0.20 to 10.00 Ω: ±3%rdg. ±2dgt.) Overload protection: 600 VAC (10s, using Fuse)
AC voltage	Display indication range: 0 to 750 V Accuracy: ±2.3 %rdg. ±8 dgt.(up to 600V), Frequency range: 50/60 Hz
DC voltage	Display indication range: 0 to 750 V Accuracy: ±1.3 %rdg. ±4 dgt.(up to 600V)
Functions	Live circuit indicator, Automatic electric discharge, Automatic DC/AC detection, Comparator, Built-in battery power indicator etc.
Power supply	LR6 alkaline battery × 4
Dimensions and Mass	Approx. 159W×177H×53D mm(6.26"W×6.97"H×2.09"D) (excluding protrusions), Approx. 600g (21.2 oz) (including battery, excluding test lead)
Accessories	Test Lead L9787 × 1, Neck strap × 1, Instruction manual × 1, LR6 alkaline battery × 4

# INSULATION TESTER SERIES

## OPTIONS

BREAKER PIN (for Models L9787) L9787-91  
 MAGNETIC ADAPTER (for Models L9788, L9787) 9804-02

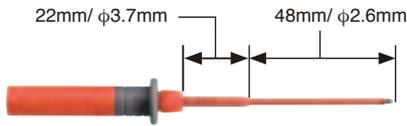
Test Lead Set with Remote Switch L9788-11  
 Test Lead with Remote Switch(Red) L9788-10

Breaker Pin L9788-92  
 Tip Pin L9788-90

● Refer to P.7 →

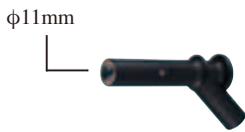
### BREAKER PIN

L9787-91 (for Model L9787)



Extra long tips extend deep into the breaker openings for more reliable testing

### MAGNETIC ADAPTER (L9787 / L9788 Option) 9804-02



Magnetic tip for use with the standard Models L9788-11, L9788-10, L9787 (generally compatible with M6 pan screws)

## Accessories

### TEST LEAD L9787 (1.2m)

Conforms to safety standard IEC61010-031 (revised) for hand-held probes



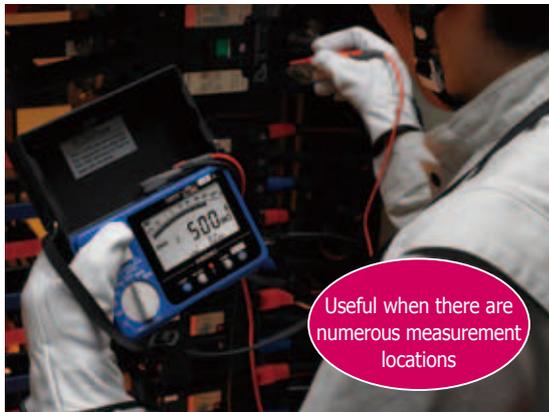
Detachable!

included as a standard accessory  
 (This sleeve cannot be attached to previous products)

When measuring in a CAT III environment, be sure to attach the sleeve to the test leads.

## Instant judgment

Since the IR4056-20 and IR4057-20 generate judgments as soon as the test lead makes contact, it is possible to make a rapid series of measurements in the manner of a continuity check.



\*In some cases, the capacitance component may prevent a judgment from being made until charging completes.

## Identify PASS/FAIL using light and sound

The IR4056-20 and IR4057-20 notify the operator of pass and fail judgments using a beeping sound, LCD light, and comparator indicator on the test lead with remote control switch (optional accessory), allowing determinations of compliance to be made without looking at the instrument.

### PASS

When the measured value is greater than or equal to the reference value\*

Short beep



No change



Option Green

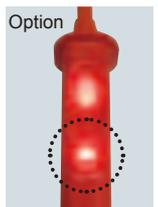
### FAIL

When the measured value is less than the reference value\*

Continuous tone



Red



Option Red

\*Insulation resistance measurement

## Integrated hard case with sliding cover



With cover closed

Compact storage without disconnecting test probes

## Backlight (White LED)



A backlight makes it possible to work in dark or poorly lit locations.

# INSULATION TESTER SERIES

## INSULATION TESTER IR4057



CE  
CAT III 600 V



Quick response comparator offering reading stability in high-speed digital format

- 5-range testing voltage 50 V/100 MΩ to 1000 V/4000 MΩ
- Stable & high-speed digital readings, response time at PASS/ FAIL decision 0.3 second
- Drop proof onto concrete from 1m (3.28 feet)
- Bright LED luminous LCD, Test lead with bright LED lamp to illuminate near hand (Option L9788-11 or L9788-10)
- Continuity check via 200 mA testing
- Built in AC/DC voltage meter, useful for testing solar power generation systems and electric vehicles
- Complies with EN61557

Order Code: IR4057-20 (with bar graph display)

### Specifications (Accuracy guaranteed for 1 year, Post-adjustment accuracy guaranteed for 1 year)

Insulation resistance	Testing voltage	50 VDC	125 VDC	250 VDC	500 VDC	1000 VDC
	Effective maximum indicated value	100 MΩ	250 MΩ	500 MΩ	2000 MΩ	4000 MΩ
	First effective measurement range [MΩ]	±4 % rdg.				
		at 0.200 to 10.00	at 0.200 to 25.00	at 0.200 to 50.0	at 0.200 to 500	at 0.200 to 1000
	Second effective measurement range [MΩ]	±8% rdg.				
		at 10.1 to 100.0	at 25.1 to 250	at 50.1 to 500	at 501 to 2000	at 1010 to 4000
Other measurement range [MΩ]	±2 %rdg. ±6dgt. at 0 to 0.199					
Lower limit resistance value to maintain nominal output voltage	0.05 MΩ	0.125 MΩ	0.25 MΩ	0.5 MΩ	1 MΩ	
Overload protection	600 VAC (10 s)				1200 VAC (10 s)	
resistance	Measurement range: 10.00 Ω / 100.0 Ω / 1000 Ω Measuring current: 200 mA or more (at 6 Ω or less ) Accuracy (after zero adjustment) : ±3%rdg. ±2dgt. (0 to 0.19 Ω: ±3dgt. 0.20 to 10.00 Ω: ±3%rdg. ±2dgt.) Overload protection: 600 VAC (10s, using Fuse)					
AC voltage	Display indication range: 0 to 750 V Accuracy: ±2.3 %rdg. ±8 dgt.(up to 600V), Frequency range: 50/60 Hz					
DC voltage	Display indication range: 0 to 750 V Accuracy: ±1.3 %rdg. ±4 dgt.(up to 600V)					
Functions	Live circuit indicator, Automatic electric discharge, Automatic DC/AC detection, Comparator, Built-in battery power indicator etc.					
Power supply	LR6 alkaline battery × 4					
Dimensions and Mass	Approx. 159W×177H×53D mm(6.26"W×6.97"H×2.09"D) (excluding protrusions), Approx. 640g (22.6 oz) (including battery, excluding test lead)					
Accessories	Test Lead L9787 × 1, Neck strap × 1, Instruction manual × 1, LR6 alkaline battery × 4					

### OPTIONS

BREAKER PIN (for Models L9787) L9787-91

Test Lead Set with Remote Switch L9788-11

Breaker Pin L9788-92

MAGNETIC ADAPTER (for Models L9788, L9787) 9804-02

Test Lead with Remote Switch (Red) L9788-10

Tip Pin L9788-90

● Refer to P.7 →

## Double Action for Safety

■ IR4056-20/IR4057-20 500 V/1000 V range only



Set the function key to either 500 V or 1000 V.



Press the flashing "RELEASE" key.

# INSULATION TESTER SERIES

## INSULATION TESTER New

# IR4053

Measure PV Insulation Resistance Safely, Accurately and Quickly

- Safely and accurately measure PV insulation resistance even while generating solar power
- Built-in PV dedicated function, display measurements in 4 seconds
- Five ranges (50/125/250/500/1000V) built in for normal insulation resistance measurement
- Built-in 1000 VDC voltage measurement for open voltage tests of PV systems that support 1000 V
- Built-in comparator function
- Drop proof design withstands drop onto concrete from a height of 1 meter



CAT III 600 V



Order Code: IR4053-10



options

**TEST LEAD SET WITH REMOTE SWITCH L9788-11**

Bundled with Test Lead with Remote Switch L9788-10 / earth lead and alligator clip, 1.2 m (3.94 ft)

### Specifications (Accuracy guaranteed for 1 year, Post-adjustment accuracy guaranteed for 1 year)

PVΩ measurement					
Rated output voltage	500 VDC			1000 VDC	
Effective maximum indicated value	2000 MΩ			4000 MΩ	
Measuring range/ Accuracy	0.200 to 500 MΩ / ±4% rdg. 501 to 2000 MΩ / ±8% rdg.			0.200 to 1000 MΩ / ±4% rdg. 1010 to 4000 MΩ / ±8% rdg.	
Other measuring range / Accuracy	0 to 0.199 MΩ / ±2% rdg. ±6 dgt.				
Insulation resistance measurement					
Rated output voltage	50 VDC	125 VDC	250 VDC	500 VDC	1000 VDC
Effective maximum indicated value	100 MΩ	250 MΩ	500 MΩ	2000 MΩ	4000 MΩ
Accuracy	±4% rdg.	±4% rdg.	±4% rdg.	±4% rdg.	±4% rdg.
1st effective measuring range MΩ	0.200 to 10.00	0.200 to 25.0	0.200 to 50.0	0.200 to 500	0.200 to 1000
Lower limit resistance	0.05 MΩ	0.125 MΩ	0.25 MΩ	0.5 MΩ	1 MΩ
DC voltage measurement	4.2 V (0.001 V resolution) to 1000 V (1 V resolution), 4 ranges, Accuracy: ±1.3% rdg. ±4 dgt., (Ranges in excess of 1000 V are not guaranteed for accuracy.)				
AC voltage measurement	420 V (0.1 V resolution)/600 V (1 V resolution), 2 ranges, 50/60 Hz, Accuracy: ±2.3% rdg. ±8 dgt., (Ranges in excess of 600 V are not guaranteed for accuracy.)				
Display	Semi-transmissive FSTN LCD with back lighting, Backlight				
Response time	Insulation resistance range: 1 second, PVΩ function: 4 seconds (based on in-house tests)				
Other functions	Live circuit indicator, automatic electric discharge, automatic DC/AC detection, comparator, drop proof, auto power save				
Power supply	AA alkaline batteries (LR6) ×4, Continuous operating time: Approx. 20 hours (based on in-house tests)				
Dimensions and mass	159 mm (6.26 in) W × 177 mm H (6.97 in) H × 53 mm (2.09 in) D, Approx. 600 g (21.2 oz) (including batteries, excluding test lead)				
Accessories	TEST LEAD L9787 ×1, Neck strap ×1, Instruction manual ×1, AA alkaline batteries (LR6) ×4				

### Shared options for the Insulation Tester IR4057, IR4056, IR4053

L9787 options		L9788 options			
<p><b>TEST LEAD L9787</b> Bundled with Line/ Earth lead, alligator clip, 1.2 m (3.94 ft) length</p>	<p><b>BREAKER PIN L9787-91</b> For checking breaker terminal, Detachable for tip of the L9787, 48 mm (1.89 in) length, φ 2.6 mm (0.10 in)</p>	<p><b>TEST LEAD SET WITH REMOTE SWITCH L9788-11</b> Bundled with Remote switch type test lead L9788-10/ Earth lead, alligator clip, 1.2 m (3.94 ft) length</p>	<p><b>TEST LEAD WITH REMOTE SWITCH (RED) L9788-10</b> Lighting LED lamp &amp; comparator indicator, 1.2 m (3.94 ft) length</p>	<p><b>TIP PIN L9788-90</b> Spare parts for tip of the L9788/ L9788-10, Tip length 35 mm (1.38 in)</p>	<p><b>BREAKER PIN L9788-92</b> For checking breaker terminal, Detachable for tip of the L9788-10, 65 mm (2.56 in) length, φ 2.6 mm (0.10 in)</p>

Shared Option

**MAGNETIC ADAPTER 9804-02**  
Attached to the Earth side lead tip, Tip diameter 11 mm (0.43 in)

# INSULATION TESTER SERIES

## ANALOG MΩ HiTESTER IR4016 to IR4018

Reliable and Efficient Insulation Testing in the field

- Single range insulation resistance meters
- Luminous scale lets you see better in the dark
- Drop proof (1m)
- Complies with EN61557

Order Code: IR4016-20  
IR4017-20  
IR4018-20



CAT III 600 V



### Specifications (Accuracy guaranteed for 1 year, Post-adjustment accuracy guaranteed for 1 year)

Model	IR4016-20	IR4017-20	IR4018-20
Testing voltage	500 V DC	500 V DC	1000 V DC
Effective maximum indicated value	100 MΩ	1000 MΩ	2000 MΩ
First effective measurement range and tolerances	±5 % of scale indication at 0.1 to 50 MΩ	±5 % of scale indication at 1 to 500 MΩ	±5 % of scale indication at 2 to 1000 MΩ
Second effective measurement range and tolerances	±10 % of scale indication at 0.01 to 0.1 MΩ, 50 to 100 MΩ	±10 % of scale indication at 0.5 to 1 MΩ, 500 to 1000 MΩ	±10 % of scale indication at 1 to 2 MΩ, 1000 to 2000 MΩ
Lower limit measurement resistance value to be maintained reted output voltage	0.5 MΩ	0.5 MΩ	1 MΩ
Open circuit voltage	1 to 1.2 times of rated output voltage		
Rated current	1mA (Tolerance: 1 to 1.2 times of the rating value)		
AC voltage range	0 to 600 V (50/60 Hz), ±5% of maximum scale value accuracy		
Input resistance	500 kΩ or more (50/60Hz)		

### Common Specifications

Discharge function : effective

Power supply : Rated power voltage: 1.5 VDC × 4,  
AA alkaline (LR6) battery × 4

Dimensions and mass : Approx. 159W × 177H × 53D mm, 610 g  
(6.26"W × 6.97"H × 2.09"D, 21.5 oz.)  
including battery, not including test lead

Accessories : TEST LEAD L9787 ×1, Shoulder strap ×1

Safety : EN61010, EMC EN61326, EN61557-1/-2

### OPTIONS

- Refer to P.3 →

BREAKER PIN (for Models L9787) L9787-91

MAGNETIC ADAPTER (for Models L9788, L9787) 9804-02

- Refer to P.7 →

Test Lead Set with Remote Switch L9788-11

Breaker Pin L9788-92

Test Lead with Remote Switch(Red) L9788-10

Tip Pin L9788-90

## Advanced Features (IR4016 to IR4018 and 3490)

### Flip the Cover



Quick and easy storage without  
disconnecting the leads

### Luminous Scale



See better in the dark

### Bright LED

- Work safely knowing that when the RED is lit, live wires, high voltage or electrical discharge is present
- The super bright light at the tip of the optional 9788 Test Leads adds to efficiency

### Check for Live Circuits



The LIVE CIRCUIT LED will light up in red whenever the voltage exceeds 20V AC between the LINE and EARTH terminals, and when at least 20V DC is still remaining during the auto discharge.



# INSULATION TESTER SERIES

## ANALOG MΩ HI-TESTER 3490

Insulation Testing in 3 Easy Steps  
Flip the Cover, Select Range & Test

- 3-range testing voltage, Insulation meter
- Luminous scale
- Check for live circuits
- Check for the battery status
- Complies with EN 61557

Order Code: 3490



CAT III 600 V



### Specifications (Accuracy guaranteed for 1 year, Post-adjustment accuracy guaranteed for 1 year)

Testing voltage	250 V DC	500 V DC	1000 V DC
Rated resistance	100 MΩ	100 MΩ	4000 MΩ
Accuracy 1st effective measuring range	±5 % of indicated value 0.05 to 50 MΩ	±5 % of indicated value 0.05 to 50 MΩ	±5 % of indicated value 2 to 1000 MΩ
Rated measurement current	1 mA		
Low resistance	3 Ω range, ±0.09 Ω accuracy, 200 mA DC measuring current, 4.1 to 6.9 V open-circuit voltage		30 Ω range, ±0.9 Ω accuracy, 20 mA DC measuring current, 4.1 to 6.9 V open-circuit voltage
AC voltage range	0 to 600 V (50/60 Hz), ±5 % of maximum scale value accuracy		
Functions	Luminous scale, Battery status check, Live circuit check		
Power supply	AA alkaline (LR6) battery × 4, Continuous use: 20 hours (at 500 V range, no load)		
Dimensions and mass	159 mm (6.26 in) W × 177 mm (6.97 in) H × 53 mm (2.09 in) D, 610g (21.5 oz.)		
Accessories	TEST LEAD L9787 × 1, Operation manual × 1, Shoulder strap × 1, AA alkaline battery (LR6) × 4		

### OPTIONS

BREAKER PIN (for Models L9787) L9787-91

MAGNETIC ADAPTER (for Models L9788, L9787) 9804-02

- Refer to P.3 →

Test Lead Set with Remote Switch L9788-11

Test Lead with Remote Switch (Red) L9788-10

- Refer to P.7 →

Breaker Pin L9788-92

Tip Pin L9788-90

#### COMPLETE TEST LEAD WITH REMOTE CONTROL SWITCH L9788-11 (1.2m)

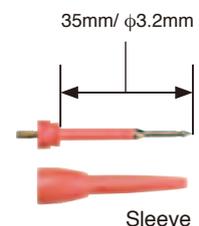


#### TEST LEAD WITH REMOTE CONTROL SWITCH L9788-10 (1.2m)



#### TIP PIN L9788-90

(for Model L9788-10)



When measuring in a CAT III environment, be sure to attach the sleeve to the test leads.

#### TEST LEAD WITH REMOTE CONTROL SWITCH



#### REMOTE CONTROL SWITCH

- Start and stop the test at the touch of a button
- Test for insulation resistance single-handedly

#### LED LIGHT

- Illuminate the test location with a bright white LED

# HIGH VOLTAGE INSULATION TESTER

## HIGH VOLTAGE INSULATION HiTESTER

# 3455

Maximum 5kV Test Voltage - Up to 5TΩ of Insulated Resistance Testing



- Measure insulation of high-voltage equipment (such as transformers, cables, and motors)
- Wide testing voltage range, up to 5.00 kV from 250 V DC
- Adjustable testing voltage in 25 V steps up to 1 kV, and 100 V steps from 1 kV to 5 kV
- Wide measurement insulation range, up to 5 TΩ (at 5 kV testing voltage, 1 TΩ=10<sup>12</sup> Ω)
- Diagnose the insulation of various equipment with the built-in memory for data storage

Large, Easy to Read Display

The display is backlit and features a logarithmic bar graph similar to an analog type indicator in addition to the digital readout.



Order Code: 3455

### Specifications (Accuracy guaranteed for 1 year, Post-adjustment accuracy guaranteed for 1 year)

Testing voltage	250 V DC	500 V DC	1 kV DC	2.5 kV DC	5 kV DC
<b>Measurement resistance organization (Auto ranging)</b>	0.00MΩ - 9.99MΩ, 9.0MΩ - 99.9MΩ, 90MΩ - 999MΩ, 0.90GΩ - 9.99GΩ, 9.0GΩ - 99.9GΩ, 90GΩ - 250GΩ	0.00MΩ - 9.99MΩ, 9.0MΩ - 99.9MΩ, 90MΩ - 999MΩ, 0.90GΩ - 9.99GΩ, 9.0GΩ - 99.9GΩ, 90GΩ - 500GΩ	0.00MΩ - 9.99MΩ, 9.0MΩ - 99.9MΩ, 90MΩ - 999MΩ, 0.90GΩ - 9.99GΩ, 9.0GΩ - 99.9GΩ, 90GΩ - 999GΩ, 0.90TΩ - 1.00TΩ	0.00MΩ - 9.99MΩ, 9.0MΩ - 99.9MΩ, 90MΩ - 999MΩ, 0.90GΩ - 9.99GΩ, 9.0GΩ - 99.9GΩ, 90GΩ - 999GΩ, 0.90TΩ - 2.50TΩ	0.00MΩ - 9.99MΩ, 9.0MΩ - 99.9MΩ, 90MΩ - 999MΩ, 0.90GΩ - 9.99GΩ, 9.0GΩ - 99.9GΩ, 90GΩ - 999GΩ, 0.90TΩ - 5.00TΩ
<b>Accuracy</b>	±5% rdg. ±5dgt.	±5% rdg. ±5dgt.	±5% rdg. ±5dgt.	±5% rdg. ±5dgt.	±5% rdg. ±5dgt.
<b>Resistance up to testing V/100 nA</b>	0.00MΩ - 2.50GΩ	0.00MΩ - 5.00GΩ	0.00MΩ - 10.0GΩ	0.00MΩ - 25.0GΩ	0.00MΩ - 50.0GΩ
<b>Short current</b>	2 mA or less	2 mA or less	2 mA or less	2 mA or less	2 mA or less
<b>Leak current measurement</b>	1.00 nA to 1.20 mA, 6 ranges (current measurement that occurs when test voltage is generated)				
<b>Voltage measurement</b>	±50 V to ±1.00 kV DC, 50 V to 750 V AC (50/60 Hz), Accuracy: ±5 % rdg. ±5 dgt., Input resistance: Approx. 10 MΩ				
<b>Temperature measurement</b>	-10.0 °C to 70.0 °C, Accuracy: ±1.5 °C, 0.0 °C to 40.0 °C, Accuracy: ±1.0 °C (used with the 9631-01/-05 optional sensor)				
<b>Other functions</b>	Insulation diagnose, Data memory, PC communication, Elapsed time display, Clock, Averaging function, Data storage, Auto discharge, Auto power off, etc.				
<b>Display</b>	Digital LCD, max. 999 dgt. with backlight, Bar graph display				
<b>Power supply</b>	LR6 (AA) alkaline batteries ×6, Battery pack 9459, or AC adapter 9753 (100 - 240 VAC, output 12 VDC) Continuous use : [LR6] 5 hr, [9459] 9 hr, (Occur 5 kV, +/- open terminal)				
<b>Dimensions and mass</b>	260 mm (10.24 in)W × 251 mm (9.88 in)H × 120 mm (4.72 in)D, 2.8 kg (98.8 oz)				
<b>Accessories</b>	Test lead 9750-01 (red) ×1, Test lead 9750-02 (black) ×1, Test lead 9750-03 (blue) ×1, Alligator clip 9751-01 (red) ×1, Alligator clip 9751-02 (black) ×1, Alligator clip 9751-03 (blue) ×1, Instruction manual ×1, LR6 (AA) alkaline batteries ×6, USB cable ×1, PC application software (CD-R) ×1				

**Bundled Accessories**

TEST LEAD 9750-01  
Red one, 3 m (9.84 ft) length  
TEST LEAD 9750-02  
Black one, 3 m (9.84 ft) length  
TEST LEAD 9750-03  
Blue one, 3 m (9.84 ft) length

ALLIGATOR CLIP 9751-01  
Red one  
ALLIGATOR CLIP 9751-02  
Black one  
ALLIGATOR CLIP 9751-03  
Blue one



### USB Interface

Easily transfer data to a PC via the USB interface using our free PC application software. The software also features a convenient report creation function.



### Leakage current display

When measuring insulation resistance, the instrument can be switched to display leakage current. This is possible before, during, and after measurement.

**Options**

TEMPERATURE SENSOR 9631-01  
Molded type, 1 m (3.28 ft) length, -40 to 180 °C, 100 sec response time, sensor part dimensions φ 6 × 28 mm (φ 0.24 in × 1.10 in)

TEMPERATURE SENSOR 9631-05  
Molded type, 30 mm (1.18 in) length, -40 to 180 °C, 100 sec response time, sensor part dimensions φ 6 × 28 mm (φ 0.24 in × 1.10 in)

TEST LEAD 9750-11  
Red one, 10 m (32.81 ft) length  
TEST LEAD 9750-12  
Black one, 10 m (32.81 ft) length  
TEST LEAD 9750-13  
Blue one, 10 m (32.81 ft) length

BATTERY PACK 9459  
NiMH, Charges while installed in the main unit

AC ADAPTER 9753  
100 to 240 V AC

Note: Company names and Product names appearing in this catalog are trademarks or registered trademarks of various companies.



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