

INSULATION TESTERS

Field-Proven Strength.



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

Transformers, Cables, Motors and Other Equipment
Measure the Insulation Resistance of
High-Voltage Equipment

Increased Functionality!

Max. **10 TΩ**
Ideal for All Insulation
Resistance Diagnostic
Applications

250 V to 5 kV
Wide Range Test
Voltage Settings

3 year Guarantee
CAT IV 600 V
Operating temperature from **-10°C to 50°C**

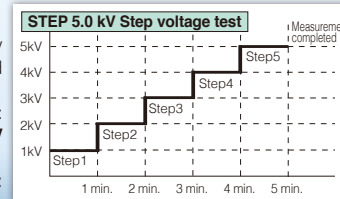


Insulation resistance measurements

Select a test voltage from 250 V, 500 V, 1.00 kV, 2.50 kV, and 5.00 kV. More finely graded settings are also possible. When measurement is completed, the unit shows the **Insulation resistance value**, **Test voltage** (setting and actual output), **Leakage current**, **DAR**, **PI**, and **Elapsed time**. Save measurement conditions and measurement results to internal memory, and view them on a computer.

Step voltage test

In this type of test, the voltage is gradually raised and the insulation resistance and leakage current change is measured. Two different step settings are available: **500 V → 1 kV → 1.5 kV → 2 kV → 2.5 kV** and **1 kV → 2 kV → 3 kV → 4 kV → 5 kV**. Voltage application time for each step: **30 sec / 1 min. / 2 min. / 5 min.**



HIOKI

HIOKI E. E. CORPORATION

Headquarters
81 Koizumi, Ueda, Nagano, 386-1192, Japan
TEL +81-268-28-0562 | FAX +81-268-28-0568
<http://www.hioki.com> | os-com@hioki.co.jp

HIOKI USA CORPORATION
TEL +1-609-409-9109 | FAX +1-609-409-9108
<http://www.hiokiusa.com> | hioki@hiokiusa.com

HIOKI (Shanghai) SALES & TRADING CO., LTD.
TEL +86-21-63910090 | FAX +86-21-63910360
<http://www.hioki.cn> | info@hioki.com.cn

HIOKI SINGAPORE PTE. LTD.
TEL +65-6634-7677 | FAX +65-6634-7477
<http://www.hioki.com> | info-sg@hioki.com.sg

HIOKI KOREA CO., LTD.:
TEL +82-2-2183-8847 | FAX +82-2-2183-3360
<http://www.hiokikorea.com> | info-kr@hioki.co.jp

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3-fold-flyer_InsulationtestersE1_74B

High-speed models with Bar Graph

IR4057
IR4058

5 Ranges
50/125/250/
500/1000 V

200 mA
Continuity

AC/DC
600 V

Comparator function provides
PASS/FAIL decisions at a glance

PASS
Short beep



FAIL
Continuous tone
LCD light: Red



Quick and Easy

Comparator judgement result
response time:
Approx. 0.3 s

3 year Guarantee
CAT III 600 V
IEC/EN 61557
Expanded operating temperature from **-25°C to 65°C**
DROP PROOF
Bluetooth SMART
IR4058

Built for the Field

Analog models

Single range 3 ranges

IR4016	IR4017	IR4018	IR3490
500V	500V	1000V	250 500 1000 V
100MΩ	1000MΩ	2000MΩ	100 100 4000 MΩ

Easy-to-Read Scale

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.

White LED lighting that's easy to read in dim locations in the field.

Remote control to start and stop insulation resistance measurement from the leads (option)

BATT: HI BATT: LO BATT: Dead

Continuous monitoring of battery life

3 year Guarantee
DROP PROOF
CAT III 600 V
IR4016, IR4017, IR4018 3490
EN61557-1/-2 EN61557-1/-2/-4

ALL in One Case

Integrated hard case with sliding cover



Compact storage
without disconnecting
test probes

With cover closed



Basic Specifications

	IR4016	IR4017	IR4018	3490	IR4056	IR4057	IR4058	IR4053	IR3455	
Display	Analog Meter	Analog Meter	Analog Meter	Analog Meter	Digital	Digital	Digital (Bar graph)	Digital (Bar graph)	Digital	Digital (Bar graph)
Display backlight	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Safety	CAT III 600V	CAT III 600V	CAT III 600V	CAT III 600V	CAT III 600V	CAT III 600V	CAT III 600V	CAT III 600V	CAT III 600V	CAT IV 600V
Typ. Accuracy	5 %	5 %	5 %	2 %	2 %	2 %	2 %	2 %	2 %	5 %
Testing Voltage	50 V DC	N/A	N/A	N/A	✓	✓	✓	✓	✓	N/A
	125 V DC	N/A	N/A	N/A	✓	✓	✓	✓	✓	N/A
	250 V DC	N/A	N/A	N/A	✓	✓	✓	✓	✓	✓
	500 V DC	✓	✓	✓	✓	✓	✓	✓	✓	✓
	1000 V DC	N/A	N/A	✓	✓	✓	✓	✓	✓	✓
	2500 V DC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓
	5000 V DC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓
Effective maximum indicated value	100 MΩ (500 VDC)	1000 MΩ (500 VDC)	2000 MΩ (1000 VDC)	100 MΩ (250, 500 VDC) 4000 MΩ (1000 VDC)	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 (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)	500 GΩ (250 V) 1.00 TΩ (500 V) 2.00 TΩ (1 kV) 5.00 TΩ (2.50 kV) 10.0 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	✓	✓	✓	✓	✓	✓
PV dedicated function	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓	N/A

Functions

Bluetooth® wireless technology	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓	N/A	N/A
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	N/A	N/A	✓
Drop proof	✓	✓	✓	✓	✓	✓	✓	✓	✓	N/A
Power supply	LR6 x 4	LR6 x 4	LR6 x 4	LR6 x 4	LR6 x 4	LR6 x 4	LR6 x 4	LR6 x 4	LR6 x 4	LR6 x 6 BATTERY PACK 9459 AC ADAPTER 9753
Dimensions	159 x 177 x 53 mm	159 x 177 x 53 mm	159 x 177 x 53 mm	159 x 177 x 53 mm	159 x 177 x 53 mm	159 x 177 x 53 mm	159 x 177 x 53 mm	159 x 177 x 53 mm	159 x 177 x 53 mm	260 x 251 x 120 mm
Mass	610g	610g	610g	610g	600g	600g	640g	640g	600g	2.8 kg
Bundled Test Lead	L9787	L9787	L9787	L9787	L9787	L9788-11 (with Remote switch)	L9787	L9787	L9787	L9750-01 (Red) L9750-02 (Black) L9750-03 (Blue)

TEST LEAD L9787



L9787 option
BREAKER PIN
L9787-91

TEST LEAD SET WITH REMOTE SWITCH L9788-11



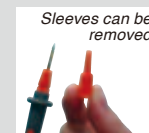
L9788-11 options
TIP PIN
L9788-90
BREAKER PIN
L9788-92



**L9787, L9788-11
Shared option**
MAGNETIC ADAPTER
9804-02

Test leads with sleeves

When measuring in a CAT IV or CAT III environment, be sure to attach the sleeve to the test leads. When the CAT (measurement category) rating of the main unit is lower than that of test leads, the CAT of the main unit takes precedence.



Sleeves can be removed



Available in Model **IR4058**.
Please see www.hioki.com
for a list of supported regions.