





PROBADOR DE AISLAMIENTO IR4053

Mida la resistencia de aislamiento fotovoltaico de forma segura, precisa y rápida

Folletos Contacto / Cotización PREGUNTAS FRECUENTES

Resumen Características Especificaciones Opciones Descargas Aplicaciones

El Hioki IR4053 es un comprobador de resistencia de aislamiento digital para sistemas de generación fotovoltaica. Mida la resistencia de aislamiento con precisión y seguridad sin verse afectado por la energía solar generada e identifique el valor en solo 4 segundos.

CAT III 600 V

Vídeo del producto

El Hioki IR4053 cuenta con una función de resistencia fotovoltaica para medir sistemas de energía solar, lo que le permite medir la resistencia de aislamiento con precisión sin cortocircuitar cadenas de células fotovoltaicas y sin correr el riesgo de accidentes como eventos de descarga de arco, incluso cuando el sistema continúa generando electricidad durante el día.

Características principales

Mida de forma segura y precisa la resistencia de aislamiento fotovoltaico incluso mientras genera energía solar

Función dedicada PV integrada, muestra las medidas en 4 segundos

Cinco rangos (50/125/250/500/1000 V) incorporados para la medición normal de la resistencia de aislamiento

Medición de voltaje de 1000 V CC incorporada para pruebas de voltaje abierto de sistemas fotovoltaicos que admiten 1000 V

Función de comparación incorporada

El diseño a prueba de caídas soporta caídas sobre hormigón desde una altura de 1 metro

N° de modelo (código de pedido)

IR4053-10	Incluido con cable de prueba L9787

Español

Specifications

Accuracy guaranteed for 1 year, Post-adjustment accuracy guaranteed for 1 year
Accuracy guarantee for temperature and humidity: 23°C±5°C (73°F ±9°F) and 90% rh or lower

Insulation resistance measurement

Output voltage (DC)	50 V	125 V	250 V	500 V	1000 V
Effective maximum indicated value	100 MΩ	250 MΩ	500 MΩ	2000 MΩ	4000 MΩ
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
Accuracy	±4% rdg.				
2nd effective measuring range [MΩ]	10.1 to 100.0	25.1 to 250	50.1 to 500	501 to 2000	1010 to 4000
Accuracy	±8% rdg.				
Other measuring range [MΩ]	0 to 0.199				
Accuracy	±2% rdg. ±6 dgt.				
Lower limit resistance value to maintain nominal output voltage	0.05 MΩ	0.125 MΩ	0.25 MΩ	0.5 MΩ	1 MΩ

Voltage measurement

	Range	4.2 V	42 V	420 V	1000 V
DC V	Maximum indicated value	4.200 V	42.00 V	420.0 V	1100 V
	Accuracy	±1.3% rdg. ±4 dgt. (Ranges in excess of 1000 V are not guaranteed for accuracy.)			
	Range	420 V		600 V	
AC V	Maximum indicated value	420.0 V		750 V	
	Accuracy	±2.3% rdg. ±8 dgt. (Ranges in excess of 600 V are not guaranteed for accuracy.)			

PVΩ measurement

Output voltage (DC)	500 V		1000 V	
Maximum indicated value	2000 MΩ		4000 MΩ	
Measurement range [MΩ]	0.200 to 500	501 to 2000	0.200 to 1000	1010 to 4000
Accuracy	±4% rdg.	±8% rdg.	±4% rdg.	±8% rdg.
Other measuring range [MΩ]	0 to 0.199			
Accuracy	±2% rdg. ±6 dgt.			

Functions

Backlight	YES
Drop proof	On concrete: 1 m (3.28 ft)
Battery power indicator	YES
Auto power save	Turns off after approx. 10 minutes
Live circuit indicator	YES
Automatic electric discharge	YES
Comparator	YES
Automatic DC/AC detection	YES

Basic specifications

Operating temperature and humidity	0°C to 40°C (32 to 104°F), 90% rh or lower (non-condensing)
Storage temperature and humidity	-10°C to 50°C (14 to 122°F), 90% rh or lower (non-condensing)
Maximum rated voltage to earth	600 V AC/DC, Measurement category III, Anticipated transient overvoltage: 6000 V
Dielectric strength	7060 V AC, 50/60 Hz, Measurement terminals - electrical enclosure, 1 min
Degree of protection	IP40 (EN60529)
Standards	JIS C1302 (Insulation resistance measurement), EN61326 (EMC), EN61557-1/-2

Power supply

Power supply type	AA alkaline batteries (LR6) ×4
Continuous operating time	Approx. 20 hours

Dimensions and mass

Dimensions	159W × 177H × 53D mm (6.26"W × 6.97"H × 2.09"D)
Mass	Approx. 600 g (21.2 oz) (including batteries, excluding test lead)

Order Code: IR4053-10 Including TEST LEAD L9787





TEST LEAD L9787

[Other Accessories] Neck strap ×1, Instruction manual ×1
AA alkaline batteries (LR6) ×4

options

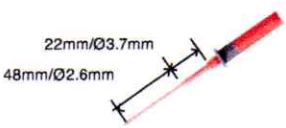


TEST LEAD SET WITH REMOTE SWITCH L9788-11

Bundled with Remote switch type test lead L9788-10/ Earth lead, alligator clip, 1.2 m (3.94 ft) length

L9787 options

For checking breaker terminals
Attach to the L9787's red probe tip



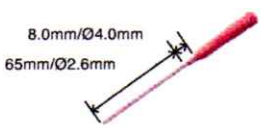
BREAKER PIN L9787-91

L9788-11 options

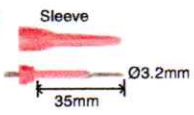
For checking breaker terminals
Attach to the L9788-10's red probe tip



TEST LEAD WITH REMOTE SWITCH L9788-10



BREAKER PIN L9788-92



TIP PIN L9788-90

Shared options

Attaches to tip of the earth lead;
11 mm diameter.



MAGNETIC ADAPTER 9804-02

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