



HIGH VOLTAGE INSULATION TESTER IR5050/IR5051

NEW Preview

High Voltage Insulation Tester IR5050/IR5051 (with PV measurement function)

Maximum measurable resistance
10 TΩ

Test voltage
250 V to 5 kV

Short-circuit current
2 mA or lower

Measurement category
**CAT III 2000 V
CAT IV 1000 V**

Insulation diagnosis function
**PI, DAR, DD, capacitance,
step voltage, ramp voltage**

Interface
**USB (using DT4900-01)
Bluetooth communication
(using Z3210)**

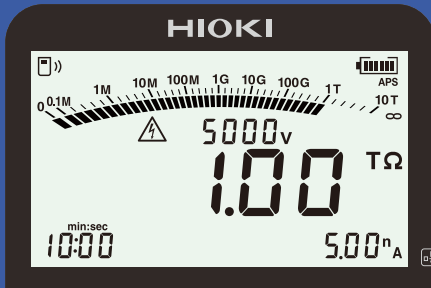
PV measurement function (IR5051 only)
up to 2000 V, 100 GΩ



IR5050

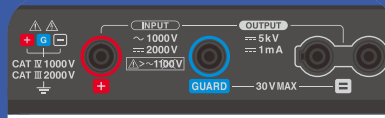


IR5051
(With PV measurement function)



Simultaneous display of all measurements

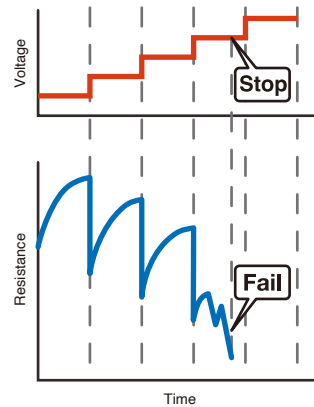
Test voltage, insulation resistance and leakage current values are checked simultaneously. PI, DAR, DD and capacitance values can be displayed.



Extremely resistant to noise Stable high resistance measurement

The slightest movement of a person or measurement cord can cause unstable measurements. This instrument uses shielded wires, a proprietary filter, and low-current measurement technology to reduce noise and obtain stable measurement values.

No burden on the object being measured



Dielectric breakdown is reduced by gradually increasing the voltage to the object under test in a stepwise manner. If an insulation failure is found, the test is immediately stopped.



GENNECT Cross

Recording measured-value charts

Record to your smartphone or tablet with the free GENNECT Cross app (using Z3210).
Sampling: max. once per second



Dimensions

196 x 255 x 91 mm
(7.7 x 10.0 x 3.6 in.)

Weight

1.7 kg (including batteries)
(60.0 oz.)

Light. Small. Earth-friendly rechargeable batteries

Everything can be stored in a hard case with a dustproof and waterproof rating of IP65, making it easy to carry around!
Rechargeable AA batteries (NiMH) can be used instead of single-use dry cells. That makes it environmentally and economically friendly.



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HIGH VOLTAGE INSULATION TESTER IR5051

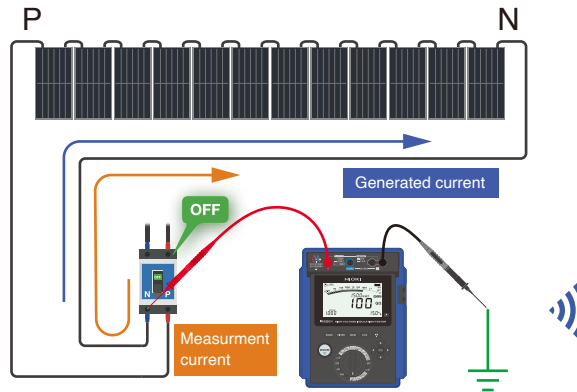
NEW Preview

Finding ground-faulted solar panels

Supports up to 2000 V DC

1 Measure the insulation resistance of a live string

Insulation resistance testers with the PV function can measure without being affected by the generated current of the PV system. With a normal insulation resistance tester, the insulation resistance cannot be measured correctly because the meter cannot separate the measurement current from the generated current.

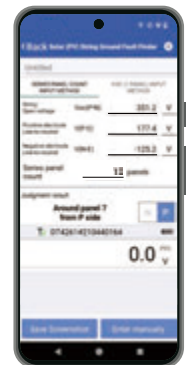
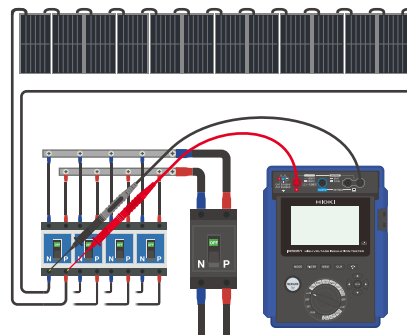


GENNECT Cross

With GENNECT Cross, measured values can be displayed on a picture taken on-site. The app also creates the report on-site.

2 Estimate ground faulted solar panels by simply measuring voltages

To repair the system, it is necessary to determine which solar panel has a ground fault. By measuring voltages at the main switch and transferring them to GENNECT Cross, the location of the ground-faulted panel can be easily determined.



GENNECT Cross

The IR5050/IR5051 can safely and accurately measure voltages **up to 2000 V DC**.

Insulation resistance tester with PV function during power generation without sacrificing safety and accuracy

High voltage insulation resistance tester IR5051

Solar power generation system

up to 2000 V

Test voltage

500 V, 1000 V, 1500 V
Finer voltages can be set
(max. 2000 V)

Voltage measurement function

DC 2000 V
AC 1000 V

Measurement category

CAT III 2000 V
CAT IV 1000 V



Insulation resistance tester IR4053

Solar power generation system

up to 600 V

Test voltage

500 V, 1000 V

Voltage measurement function
(CAT III)

AC/DC 600 V

Measurement category

CAT III 600 V

