

## IR4056 - 1kV Insulation Tester(5 Range)

Our Most Popular Model Offering Reading Stability in Medium-speed Digital Format.

Rating: Not Rated Yet

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Manufacturer [Hioki](#)

Description

### Overview

Hioki insulation testers or megohmmeters feature all-in-one designs including built-in rugged cases and test lead storage compartments. The IR4056 is a 5-range, 50V to 1000V digital insulation resistance tester with efficient functions and features to help shorten work time associated with field insulation testing. CAT III 600 V Excluding IR4056-21

### Key Features

- 5-range testing voltage of 50 V/100 M $\Omega$  to 1000 V/4000 M $\Omega$ 
  - Stable & medium-speed digital readings, 0.8 second response time of PASS/ FAIL decisions
- Drop proof onto concrete from 1m (3.28 feet)
- Bright LED, luminous LCD, test lead with bright LED lamp to illuminate near hand (Also available in the IR4056-21)
- Continuity check via 200 mA testing
- Built in AC/DC voltage meter, useful for testing solar power generation systems and electric vehicles

### Specification

Rated output voltage	50 V DC	125 V DC	250 V DC	500 V DC	1000 V DC
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Effective maximum indicated value	100 M?	250 M?	500 M?	2000 M?	4000 M?
Accuracy 1st effective measuring range M?	±2 % rdg. ±2 dgt. 0.200 - 10.00	±2 % rdg. ±2 dgt. 0.200 - 25.0	±2 % rdg. ±2 dgt. 0.200 - 50.0	±2 % rdg. ±2 dgt. 0.200 - 500	±2 % rdg. ±2 dgt. 0.200 - 1000
Lower limit resistance	0.05 M?	0.125 M?	0.25 M?	0.5 M?	1 M?
Overload protection	600 V AC (10s)				660 V AC (10s)
DC voltage range	4.2 V (0.001 V resolution) to 600 V (1 V resolution), 4 ranges, Accuracy: ±1.3 % rdg. ±4 dgt., Input resistance: 100 k? or higher				
AC voltage range	420 V (0.1 V resolution) / 600 V (1 V resolution), 2 ranges, 50/60 Hz, Accuracy: ±2.3% rdg. ±8 dgt., Input resistance: 100 k? or higher, Average rectifier				
Low resistance range	For checking the continuity of ground wiring, 10 ? (0.01 ? resolution) to 1000 ? (1 ? resolution), 3 ranges, Basic accuracy: ±3 % rdg. ±2 dgt., testing current 200 mA or more (at 6 ? or less)				
Display	Semi-transmissive FSTN LCD with back lighting, bar-graph indicator				
Response time	Approx. 0.8 second for PASS/FAIL decision (based on in-house testing)				
Other functions	Live circuit indicator, Automatic electric discharge, Automatic DC/AC detection, Comparator, Drop proof, Auto power save				
Power supply	LR6 (AA) alkaline batteries x4, Continuous use: 20 hours (Comparator off, backlight off, 500 V range, no load) Number of measurements: 1000 times (at 5 s ON, 25 s OFF cycle, insulation measurement of lower limit resistance value to maintain nominal output voltage)				
Dimensions and mass	159 mm (6.26 in) W x 177 mm (6.97 in) H x 53 mm (2.09 in) D, 600 g (21.2 oz) (including batteries, excluding test leads)				
Accessories	[IR4056-20] Test lead L9787 x1, Neck strap x1, Instruction manual x1, LR6 (AA) alkaline batteries x4 [IR4056-21] Test lead set with remote switch L9788-11 x1, Neck strap x1, Instruction manual x1, LR6 (AA) alkaline batteries x4				