

Hioki Megohm Testers



3455

- Tests insulation on transformers, cables & motors
- Calculates PI (Polarization Index) and DAR (Dielectric Absorption Ratio)
- Temperature measurement & compensation
- Step voltage testing
- Leakage current display



- 5 test ranges to 1000V
- Insulation readings to 4000MΩ
- Pass/Fail indicator
- AC/DC voltage measurements
- Live wire warning
- Continuity check at 200mA
- Drop proof from 1m (3.3ft)

IR4056

SPECIFICATIONS

Insulation Resistance:	
Test voltage:	250V, 500V, 1kV, 2.5kV, 5kV DC
Manual adjust:	25V step (<1kV), 100V step (>1kV)
Resistance:	0.00MΩ - 5TΩ in 7 ranges (±5% rdg, ±5d for test current >100nA)
Leakage current:	1.00nA-1.2mA in 6 ranges (±2.5% rdg, ±5d above 100nA)
Voltage Measure:	50-750V AC, 50/60Hz; 50-1000V DC (±5% rdg, ±5d)
Temperature:	-10.0 to 70.0°C (±1.5°C)
PI, DAR test:	Times are user programmable.
Step voltage test:	500V-2.5kV in 500V steps, 1kV-5kV in 1kV steps
Compensation:	Displays the resistance based on reference temperature. Compatible to 10 insulation materials
Timer:	30s to 30min
Data memory:	Manual recording: 100 data Interval recording: 360 times x 10 data
Energy discharge:	Automatic discharge after measurement
Display LCD:	Digital and bargraph display, with backlight
Display Info:	Time, date, test voltage, timer, battery level
PC software:	For USB data transfer and report editing
Power supply:	6 AA batteries
Standards:	CAT IV 600V, CAT III 1000V
Dimensions:	10.2"W x 9.9"H x 4.7"D (260 x 251 x 119mm)

SPECIFICATIONS

Insulation Resistance:	
50 / 125 / 250 / 500 / 1000V DC test voltage	
Ranges:	100 / 250 / 500 / 2000 / 4000MΩ
Accuracy:	±4% rdg.
Low Resistance:	10.00 / 100.0 / 1000Ω ranges
Accuracy:	±3% rdg, ±2d
AC Volts Measure:	420.0 & 600V ranges, 50/60Hz
Accuracy:	±2.3% rdg, ±8d
DC Volts Measure:	4.200 to 600V in 4 ranges
Accuracy:	±1.3% rdg, ±4d
Response time:	0.8 sec for Pass/Fail decision
Other functions:	Live wire warning, automatic discharge, DC/AC detection
Power Supply:	4 AA batteries (20 hr life)
Dimensions:	6.3"W x 7.0"H x 2.1"D (159 x 177 x 53mm)

ORDERING INFORMATION

HK/3455-01	5kV MΩ HiTester with 3m leads, USB cable, PC software
HK/IR4056-20	1kV MΩ HiTester with test leads & neck strap
HK/L9787-91	Breaker pin for IR4056
HK/L9788-11	Test lead set with remote switch for IR4056
HK/9631-01	Temperature sensor for 3455 (1m)
HK/9750	10m Test Leads for 3455
HK/9459	Rechargeable Battery pack for 3455
HK/9753	AC adapter for 3455

Fluke MegOhmMeters



1507

Handheld MegOhmMeter

- Insulation resistance to 10GΩ (1507)
- Test voltages to 1000V
- Calculates Polarization Index & Dielectric Absorption Ratio (1507)
- AC/DC voltage measure to 600V
- Pass/Fail function for repetitive tests (1507)
- Remote probe for hard-to-reach tests

SPECIFICATIONS

Insulation Resistance:	
Ranges:	0.01 MΩ to 10 GΩ (1507); 0.01 MΩ to 4000 MΩ (1503)
Test Current:	1mA max.
Test Voltage:	50, 100, 250, 500, 1000 V (500 & 1000 V on 1503)
Basic Accuracy:	±(1.5% rdg + 5d) up to 2000 MΩ
Resistance:	0.01 Ω to 20.00 kΩ
Basic Accuracy:	±(1.5% rdg + 3d)
Voltage:	0 - 600.0 V DC or AC (50-400Hz)
Live Circuit Indicator:	Inhibits insulation resistance test if >30V AC/DC present
Operating Temperature:	-20 to 55°C
Rating:	CAT IV 600V

Includes test leads, test probes, alligator clips, protective holster & batteries.

ORDERING INFORMATION

Fluke 1503	1kV Handheld Insulation Resistance Tester
Fluke 1507	Deluxe 1kV Handheld Insulation Resistance Tester
Fluke 1550C-KIT	5kV Insulation Tester Kit
Fluke 1555-KIT	10kV Insulation Tester Kit



1550C

5kV & 10kV Insulation Testers

- Resistance to 2TΩ
- Ramp function
- DAR & PI calculations
- Auto-discharge
- 99 memory storage
- Live circuit voltage warning
- PC interface

SPECIFICATIONS

Insulation Resistance:	
250V	200 kΩ - 50 GΩ
500V	200 kΩ - 100 GΩ
1000V	200 kΩ - 200 GΩ
2500V	200 kΩ - 500 GΩ
5000V	200 kΩ - 1 TΩ
10000V	200 kΩ - 2 TΩ (1555 only)
Step Size:	50V up to 1000V, then 100V
Leakage Current:	1 nA - 2 mA
Capacitance:	0.01 μF - 15.00 μF
Timer:	0 - 99 minutes
Power:	12V rechargeable battery, >750 tests per charge
Charger:	85-250VAC
Operating Temperature:	-20 to 50°C

Kit includes test cables, ac power cord/charger, infrared USB cable, hard carry case, FlukeView® Forms PC software