Hioki Megohm Testers

3455

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

- Insulation and low resistance modes – comparator, hold
- Insulation resistance modes – auto discharge
- All measurement modes – battery indicators
- Live wire warning
- Low resistance zero adjust

3454-11

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 above100nA)
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	
Test Voltage:	250 / 500 / 1000V DC
Ranges:	4.000/40.00/400.0/500.0MΩ, 1000MΩ (1000V only)
Accuracy:	1st effective range: ±3% rdg. ±4d
Low Resistance	
Ranges:	40.00 / 400.0 / 4.000k / 40.00k / 400.0k / 4.000MΩ
Accuracy:	±3% rdg. ±6d (±5% rdg. ±6d at 400kΩ or higher)
AC Volts Measure	
Range:	0 to 750V, 50/60Hz
Accuracy:	±3% rdg. ±6d (up to 600V)
Live Wire Warning:	>70V ±10V across terminals
Power supply:	4 AA batteries
Dimensions:	7.0"W x 5.3"H x 2.2"D

ORDERING INFORMATION

HK/3455-01	5kV MΩ HiTester with 3m leads, USB cable, PC software
HK/3454-11	1kV MΩ HiTester with 1.2m leads
HK/9288	Breaker pin for 3454-11
HK/9289	Test probes, alligator clips for 3454-11
HK/9257	Connection cord for 3454-11
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:	CATIV-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 Resitance Tester
Fluke 1550B	5kV MegOhmMeter

1550B

5kV MegOhmMeter

- Resistance to 1TΩ
- Ramp function
- DAR & PI calculations
- Auto-discharge
- 99 memory storage
- Live circuit voltage warning

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
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
Charger:	85-250VAC
Operating Temperature:	-20 to 50°C

Includes test leads, 500V probes, alligator clips, interface adapter & cable, FlukeView® software, line cord & carrying case.