

1-KV INSULATION TEST EQUIPMENT

1-KV

Megger is the originator of insulation resistance testing and the world recognized leader in this area. The first instrument to perform such testing was introduced over 100 years ago. Based on valuable customer feedback and our many years of experience, we offer a complete range of 1-kV insulation testers — the MIT200 Series, MIT300 Series and the MIT400/2 Series — designed to meet the varying needs and budgets of all types of customers.



MIT400/2 SERIES



- Insulation testing up to 1000 V and 200 G Ω range
- Stabilized insulation test voltage (New)
- Single range, faster continuity testing from 0.01 Ω to 1 M Ω (New)
- 600 V Trms AC and DC voltage measurement
- Live circuit detection and protection
- User variable insulation test voltage from 100V to 1000V (New), depending on model
- Test result storage and Bluetooth® downloading, depending on model
- Rechargeable options for AC and car charging (New), depending on model
- CAT IV 600 V & IP54

CAT IV 600 V RATED

The MIT430/2 offers result storage, recall and Bluetooth downloading

Can also be used in solar applications when paired with the PV test lead kit. See page 25 for additional information.

The MIT400/2 series insulation and continuity testers are designed not just for Electrical and Industrial, but with an exceptionally wide range of applications from electrical installations, cable testing, motor testing, automotive, ESD, panel building, avionics, maintenance etc.

Insulation testing has been enhanced with feedback controlled test voltages to limit over-voltage to 2%, rather than the industry standard 10-20%.

A variable range has been added to allow any intermediate voltage from 10 V to 1000 V, where application-specific test voltages are required that do not appear in the standard ranges.

Continuity testing is now significantly faster, and a single auto-ranging 0.01 Ω to 1.0 M Ω function replaces the “ohms” and “kOhms” ranges. Retained are the 200 mA and 20 mA test options.

Replacing the original MIT400 instruments the new units feature a redesigned case, back-stand, and 6 cell battery compartment with separate fuse access. All instruments are over-moulded for increased protection and achieve an IP54 weatherproof rating.

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SELECTION GUIDE FOR MIT400 SERIES

	Applications	Industrial					Telecom/CATV				
		Cat. No.	MIT400/2	MIT410/2	MIT415/2	MIT420/2	MIT430/2	MIT410-TC2 (1001-368)	MIT430-TC2 (1001-369)	MIT480-EN	MIT481-EN
Insulation voltage range	50 V, 100 V		■	■	■	■	■	■	■	■	■
	250 V, 500 V	■	■	■	■	■	■	■		■	■
	1000 V	■	■		■	■		■		■	■
	Variable				■	■					
	Insulation range (GΩ)	200	200	50	200	200	100	200	10	200	200
Continuity measurement	kΩ range to 999 kΩ	■	■	■	■	■	■	■		■	■
	0.01 to 100 Ω	■	■	■	■	■	■	■	■	■	■
	Variable current limit, 200 mA/20 mA	■	■	■	■	■	■	■	■	■	■
Additional functions	ac and dc voltage measurements (TRMS)	■	■	■	■	■	■	■	■	■	■
	Frequency: 40 Hz to 400 Hz		■	■	■	■	■	■		■	■
	Capacitance (0.1 nF to 10 μF)				■	■		■		■	■
	Insulation timed, PI, DAR tests		■	■	■	■		■		■	■
Additional features	Results storage				■	■		■		■	■
	Compatible with Megger download software					■		■			■
	Recharger options for AC line and car charging					■					
	Bluetooth downloading					■		■			■
Included Accessories	Remote switch probe		■	■	■	■			■	■	■
	Silicone test leads	■	■	■	■	■			■	■	■
	Bed of nails test leads						■	■			
	Calibration certificate	■	■	■	■	■	■	■	■	■	■
	Carry case:										
	Blow molded	■	■	■	■	■			■	■	■
Soft canvas						■	■				
Warranty	Warranty (Years)	3	3	3	3	3	3	3	3	3	3

MIT300 SERIES

The MIT300 Series of insulation testers includes five models to meet the needs of electrical contractors. They incorporate features such as automatic discharge, audio-visual warnings, and test inhibition to ensure operator safety and protection from accidental misuse.

The MIT310 adds a voltmeter function. The MIT320 has a backlight, illuminated panel, kΩ range, limit alarm and adjustable continuity buzzer. The MIT330 can store up to 1000 test results. The MIT310A features a genuine mechanical analog display.

The MIT300, MIT310, MIT320 and MIT330 feature an exclusive analog/digital display that clearly shows measurement results.


MIT200 SERIES

The MIT200 is one of the smallest insulation testers available on the market today. With four product options available, all the MIT200 instruments offer a range of safety and operation features expected from a Megger tester. The combined analog pointer and digital readout provide both accuracy and charge/discharge characteristics.


Voltage warning and display, plus voltage lockout protect both the user and the instrument, if accidentally connected to a live circuit. The MIT200 Series meet a wide range of international testing standards as well as BSEN 61557 and IEC61010.

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SELECTION GUIDE FOR MIT300 SERIES

	Cat. No.	MIT300-EN	MIT310-EN	MIT320-EN	MIT330-EN	MIT310A-EN Analog	
Insulation testing	250 V	■	■	■	■	■	
	500 V	■	■	■	■	■	
	1000 V		■	■	■	■	
	Range to 999 MΩ	■	■	■	■	■	
	Insulation limit alarm (0.01 MΩ to 999 MΩ)			■	■		
Continuity testing	Continuity to 100Ω	■	■	■	■	■	
	Continuity buzzer	■	■	■	■	■	
	Lead null to 9Ω	■	■	■	■	0.5Ω	
	Adjustable buzzer 1 to 20 Ω			■	■		
	Audible buzzer disable			■	■		
Resistance measurement	10 Ω to 1 MΩ range			■	■		
	0 Ω to 2 KΩ range					■	
General	Voltage warning	■					
	Default voltmeter		■	■	■	■	
	Backlit display			■	■		
	Backlight selector ranges			■	■		
	Locking test button	■	■	■	■	■	
	Auto power-down	■	■	■	■		
	switched test probe			■	■		
	IP54 weatherproof	■	■	■	■	■	
	1000 test result storage				■		
	Downloading				■		
	Calibration certificate	■	■	■	■		
	Three-year warranty	■	■	■	■		
			■	■	■	■	■

SELECTION GUIDE FOR MIT200 SERIES

	Cat. No.	MIT200-EN	MIT210-EN	MIT220-EN	MIT230-EN
Insulation testing	250 V			■	■
	500 V	■		■	■
	1000 V		■		■
	1000 MΩ range	■	■	■	■
	Auto-ranging	■	■	■	■
	Auto discharge	■	■	■	■
	Test inhibit	■	■	■	■
Continuity testing	Live circuit voltage display	■	■	■	■
	Continuity @ >200 mA	■	■	■	■
	Continuity to 0.01 Ω	■	■	■	■
	Test lead null (9.99 Ω)	■	■	■	■
	Automatic continuity test	■	■	■	■
	Continuity buzzer with 5 Ω threshold	■	■	■	■
	Default volts warning	■	■	■	■
General	Digital display + arc	■	■	■	■
	Battery condition	■	■	■	■
	Auto power down	■	■	■	■
	Tough carry case	■	■	■	■
	Test leads	■	■	■	■
	CATIII 600 V	■	■	■	■
			■	■	■
Warranty	Warranty (Years)	3	3	3	3

Model MIT310-EN



Model MIT230-EN

