Megger

IMT100

Industrial Multi Tester

Quick start guide and
Safety warnings

EN 1. Safety warnings

These safety warnings must be read and understood before the instrument is used. Retain for future reference.

WARNING : This instrument must be operated only by suitably trained and competent people. Protection provided by the instrument may be impaired if it is not used in a manner specified by the manufacturer.

- Local Health and Safety Legislation requires users of this equipment and their employers to carry out valid risk assessments of all electrical work to identify potential sources of electrical danger and risk of electrical injury such as inadvertent short circuits. Where the assessments show that the risk is significant then the use of fused test leads may be appropriate.
- The voltage indicator and automatic discharge features must be regarded as additional safety features and not a substitute for normal safe working practice which MUST be followed.
- The circuit under test must be switched off, de-energized, securely isolated and proved dead before test connections are made unless measuring voltage or phase rotation.
- Circuit connections, exposed conductive parts and other metalwork of an installation or equipment under test must not be touched during testing.
- When inductive loads are measured it is essential that the current carrying leads are securely clamped to the item being tested and that they are not removed before any stored charge has been discharged at the end of the test. Failure to comply with these instructions might result in an arc being produced, which might be dangerous for the instrument and the operator.
- The Voltmeter function will operate only if the instrument is switched on and working correctly.
- After an insulation test, the instrument must be left connected until the circuit has been discharged to a safe voltage.
- The instrument must not be used if any part of it is damaged or if the terminal shutter is missing.
- All test leads, probes and crocodile clips must be in good order, clean, with no broken or cracked insulation. Verify the integrity of the test leads before use. Only “Megger” approved test leads must be used with this product.
- The safe maximum limit of a measurement connection is that of the lowest rated component in the measurement circuit formed by the instrument, test leads and any accessories.
- Ensure that hands remain behind finger guards of probes/clips.
- Replacement fuses must be of the correct type and rating. Failure to fit the correctly rated fuse will result in a safety hazard and cause damage to the instrument in the event of an overload.
- All covers must be in place whilst conducting tests.
- This product is not intrinsically safe. Do not use in an explosive atmosphere.
- Ensure every cell in the battery compartment is of identical type. Never mix rechargeable and non-chargeable cells.

For Full Safety Warnings see Product User Guide.

1.1 Safety symbols marked on the instrument

	Refer to user instructions		Equipment complies with current EU directives.
	Caution: risk of electric shock		Equipment complies with current UKCA directives
	Equipment protected throughout by Double Insulation		N13117 Equipment complies with current "C tick" requirements
			Do not dispose of in the normal waste stream.

1.2 Installation category definitions:

CAT IV - Measurement category IV:
Equipment connected between the origin of the low-voltage mains supply and the distribution panel.

CAT III - Measurement category III:
Equipment connected between the distribution panel and the electrical outlets.

CAT II - Measurement category II:
Equipment connected between the electrical outlets and the user's equipment.

Measurement equipment may be safely connected to circuits at the marked rating or lower.

This instrument is manufactured in the EU. The company reserves the right to change the specification or design without prior notice. Megger is a registered trademark.

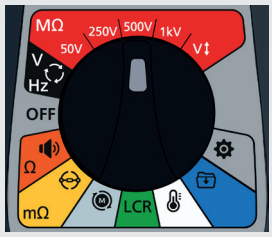
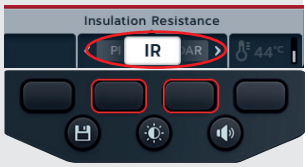
1.3 Test lead safety warning:

- The circuit under test must be switched off, de-energized, isolated and checked to be safe before insulation test connections are made. Make sure the circuit is not re-energized while the instrument is connected.
- Test leads, including crocodile clips, must be in good condition, clean, dry, and free of broken or cracked insulation. The lead set or its components must not be used if any part of it is damaged.
- The safe maximum limit of a measurement connection is that of the lowest rated component in the measurement circuit formed by the instrument, test leads and any accessories.
- The CAT III 600 V rated thermocouple probe tip and protective ring are conductive. Care must be taken when using the probe on live systems not to short-circuit to adjacent conductors.

EN 2. Quick start guide

This Quick Start Guide provides basic information and example tests only, refer to the IMT100 User Guide for full information.

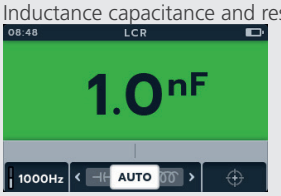
2.1 Navigation:

Turn the instrument ON by turning the rotary switch away from the OFF position to activate the instrument.	
Press the Information (ⓘ) button to view the lead set up diagram.	
Press soft key 2 and 3 to navigate through sub modes or lists.	
Soft key 1 and 4 have various functions as described on screen	
The result can be saved by pressing the SAVE button The backlight button cycles through levels of brightness. Turn the buzzer on, off or visual as required by pressing buzzer button	 **NOTE**: Buzzer is available under IR (Not PI, DAR, T(s) or 3P) and Continuity – Uni direction ONLY
To start the test press the TEST button	
Information / Lock / OK	

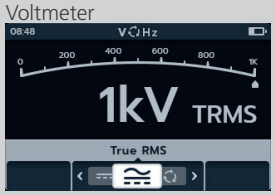
2.2 Individual tests:

Insulation Resistance Test

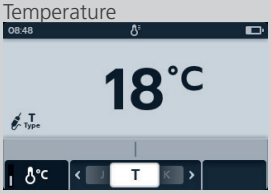
Inductance capacitance and resistance



Voltmeter

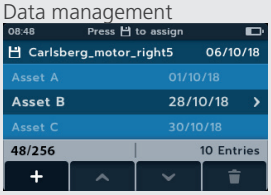


Temperature

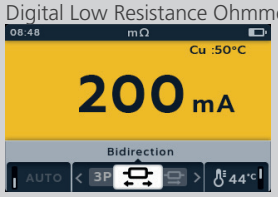


Continuity

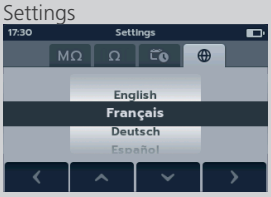
Data management



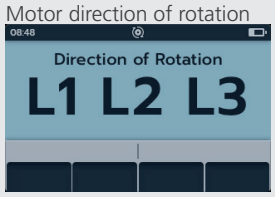
Digital Low Resistance Ohmmeter



Settings



Motor direction of rotation



Megger

Register your Product

To get these benefits:

Extended Warranty
(product dependant)

Online Training

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