



MI 3215 TeraOhmHP 15 kV

MI 3211 TeraOhmHP 10 kV

Distributed in New Zealand by:



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Insulation Resistance Testers MI 3215 / MI 3211

Versions:

- MI 3211 TeraOhmHP 10 kV
- MI 3215 TeraOhmHP 15 kV
- Fulfil all requirements from the updated standard IEC 61010-2-034:2023.
- Designed and developed for demanding industrial environments (high resistance to electromagnetic interference, extended humidity, higher altitude).
- Same approach (design) → different test voltage.
- Proven platform, already known from testers like: MI 3290/3281/3115 (easy to use).
- Data download and report creation by MESM software.
- Powerful Li-Ion battery; 14.4 V, 4.4 Ah.
- Burn / breakdown mode.



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- Safety check during start up and before starting operation (voltage monitor, LED hazard indicator).
- Automatic discharge after measurement.
- Result presentation via logarithmic bar graph scale.
- Warnings, error messages in case of inadequate measurement conditions.
- Communication interfaces: Bluetooth, USB, RS-232 (communication with various of external Android devices).
- Touch screen LCD 4.3".
- Internal 8 GB SD memory card.



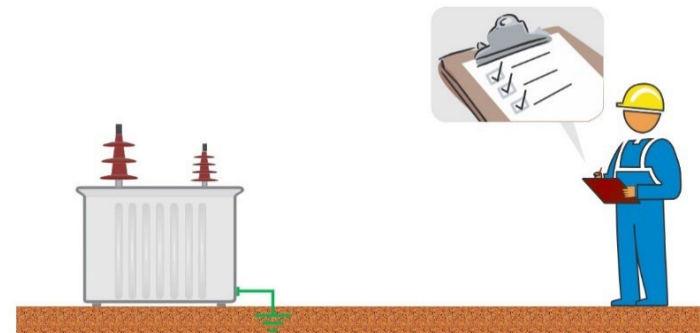
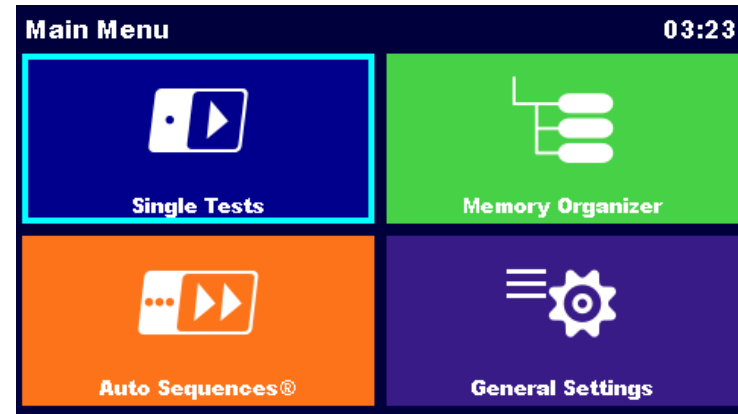
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1	Colour TFT display with touch screen
2	LED hazard indicator (high voltage warning)
3	Keypad
4	(+) Rx test terminal – red; coded banana plug
5	(G) Guard terminal – blue, coded banana plug
6	(-) Rx test terminal (shielded) – black; double connector; shielded
7	Mains supply input
8	Serial port
9	USB communication port



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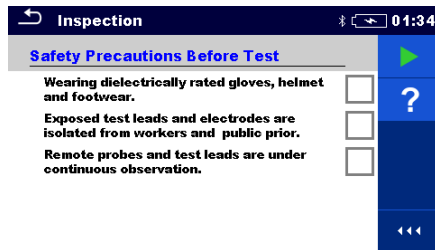
- Common platform from already known testers (same approach for measurement setup, parameter setup, ...).
- Help screens for explanation of selected measurements.
- Result data presentation in numerical / graphical form.
- Support for **Auto Sequences®** creation.



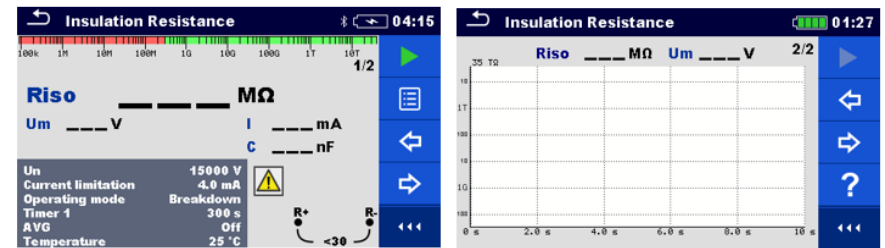
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Tests

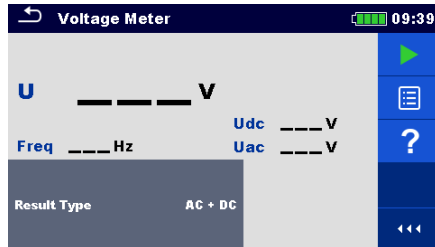
Visual (inspection) tests / before-during-after.



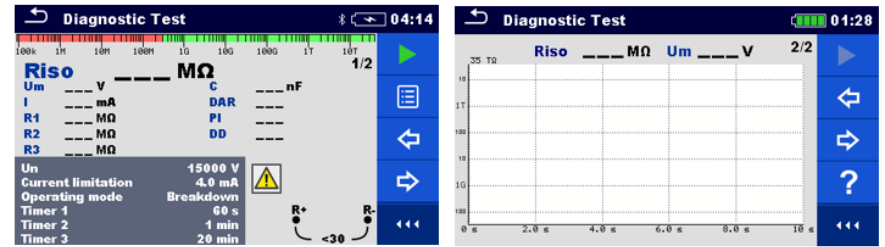
Insulation resistance tests / capacitance measurements.



Voltage and frequency measurements.

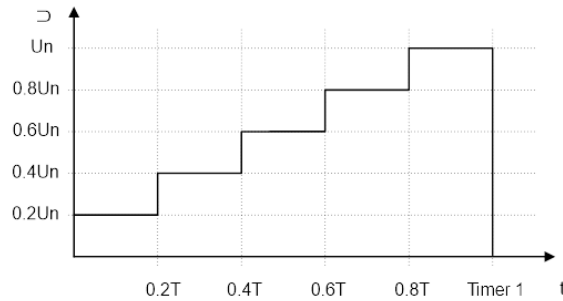


Diagnostic tests / capacitance measurements.

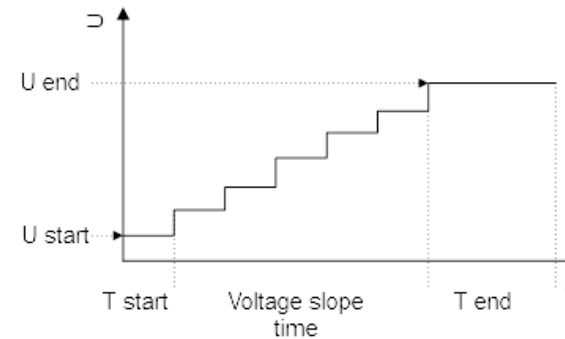
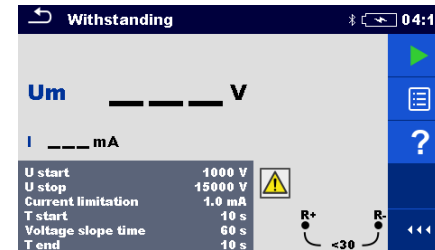


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Step voltage tests.



Withstand voltage tests.



Test leads for MI 3215 / MI 3211

Newly-designed test leads for 15 kV with special coded banana plugs and crocodile jaws, length 3 m (standard dimension).



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Technical specification

	MI 3211	MI 3215
Measurement range	20 TΩ	35 TΩ
Test Voltage range	50 V ... 10 kV	50 V ... 15 kV
Voltage step	50 V (50 V ... 1 kV) 100 V (1 kV ... 10 kV)	50 V (50 V ... 1 kV) 100 V (1 kV ... 15 kV)
Maximum current	4 mA mains supply 2.4 mA battery supply	
Charging rate	< 3 s / μF	
Discharging rate	< 4.1 s / μF mains supply < 6.3 s / μF battery supply	
Discharging resistance	41 kΩ	255 kΩ
Guard resistance	2 kΩ	
AC current noise rejection	8 mA	
AC voltage noise rejection	1.5 kV	

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General data

	MI 3211	MI 3215
Li-ion battery pack / charging time	14.4 V DC (4.4 Ah) / 4 h	
Operating time	100 M Ω load @ 15 kV; high brightness; continuous testing → > 4.5 h 100 M Ω load @ 10 kV; high brightness; continuous testing → > 6 h	
Measuring category	600 V CAT IV	1000 V CAT IV
Weight	6.3 kg	6.3 kg
Nominal altitude	Up to 3000 m	
Adjustable filter option	Off / moving average	
Nominal mains power supply	100 ... 240 V ac; 45 ... 65 Hz, 100 VA	

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