

MX 535

ELECTRICAL INSTALLATION TESTER















Power supply by mains-rechargeable batteries, USB socket or vehicle cigarette lighter







ELECTRICAL INSTALLATION TESTER

The MX 535 is a multifunction instrument intended for inspection organizations, installers, self-employed electricians and maintenance teams, with an ergonomic design which makes it particularly easy to use.



FUNCTIONS

Continuity



Check the continuity of the

protective conductors and

equipotential bonds.

the main and supplementary

Earth

Measurement with stakes (3-pole method) to obtain the precise value of the resistance of the earth electrode.



Measurement by earth loop to obtain a measurement by excess of the earth electrode resistance (in TT). Ideal for

Loop

urban areas.

On a TN or TT installation, fault loop impedance measurement can be used to calculate the short-circuit current and size the protective systems for the installation (fuses or RCDs).



resistance between each active

Measure the insulation

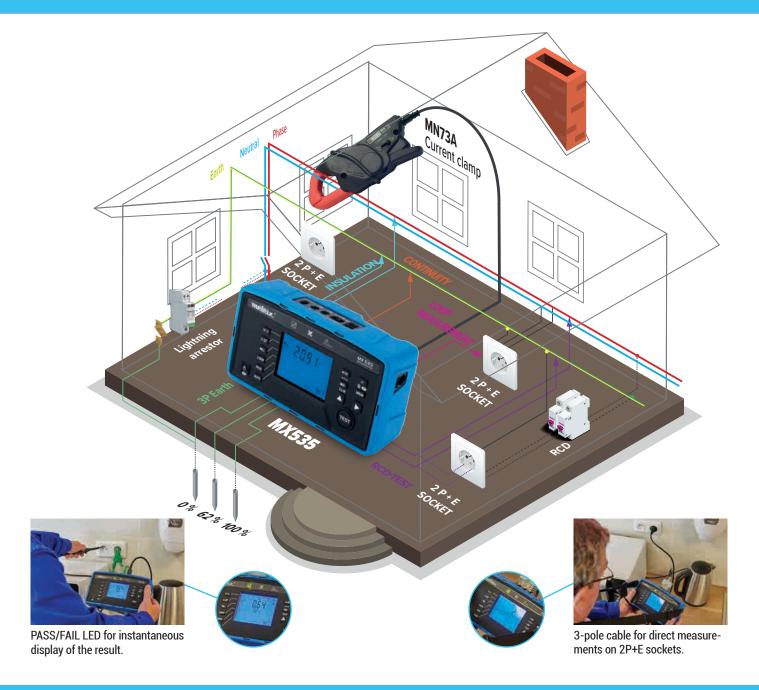
conductor and the earth.



RCD

Check that the residual current device trips if there is a fault current less than or equal to its rated fault trip current.

ALL THE NECESSARY MEASUREMENTS IN A SINGLE INSTRUMENT



ANDROID IT-REPORT APPLICATION

This ANDROID application can be used to transfer the test results stored in the MX 535 onto a tablet or smartphone via Bluetooth.

Test reports are then generated and sent automatically by email, or simply stored for processing later on.







TECHNICAL SPECIFICATIONS					
VOLTAGE MEASUREMENTS					
Resolution	0.1 V				
FREQUENCY MEASUREMENTS	30.0 - 999.9 Hz				
CONTINUITY	Measurement current ≥ 200 mA				
Measurement range	0.00 - 9.99 Ω				
Resolution	0.01 Ω				
Accuracy	1.00	,	% R + 2 cts)	00.0010	
RESISTANCE	1 - 9 999 Ω		10.00 - 99.99 kΩ		
Resolution	1Ω		10 0		
Intrinsic uncertainty	,	± (1% R + 5 cts)		± (1% R + 5 cts)	
INSULATION AT 250 V / 500 V / 1,000 V	0.01 - 1.99 MΩ	2.00	- 99.99 ΜΩ	100.0 - 999.9 MΩ	
Resolution	10 kΩ		10 kΩ	100 kΩ	
Intrinsic uncertainty	± (5% R + 3 cts)		% R + 3 cts)	± (3% R + 3 cts)	
Rated current	0.00	≥1mA		1.000	
3P EARTH RESISTANCE	0.50 - 99.99 Ω	100.	0 - 999.9 Ω	1,000 - 2,000 Ω	
Resolution	0.01 Ω		0.1 Ω	1 Ω	
Intrinsic uncertainty	± (2% R + 10 cts)	,	% R + 5 cts)	± (2% R + 5 cts)	
Rated current	4.3 mA		4.2 mA	3.5 mA	
LOOP IMPEDANCE					
No-trip mode (I=12mA)	1 - 19 Ω 20 -		· · · · · · · · · · · · · · · · · · ·		
Resolution	1 Ω	(1Ω	1Ω	
Accuracy	± 2 cts		% R + 3 cts)	± (5% R + 2 cts)	
Trip mode (I=300mA)	0.1 - 0.9 Ω		1.0 - 399.9 Ω		
Resolution	0.1 Ω		0.1 Ω		
Accuracy	± 2 cts ± (5% R + 2 cts)				
RCD TEST (Types AC and A)	Installation voltage: 90 to 450 V / Installation frequency: 45 to 65 Hz				
Pulse mode and no-trip mode	Calibres: 30 mA / 100 mA / 300 mA / 500 mA / 650 mA				
Maximum duration of test current application	300 ms				
Ramp mode					
Maximum duration of test current application	30 mA calibre: 4,600 ms				
CURRENT (with MN73A clamp)					
Calibre	2 A		200 A		
Measurement range	10 mA to 2.4 A		1 A to 200 A		
Resolution	0.1 mA to 1 mA		0.01	0.01 A to 0.1 A	
VOLTAGE (on 4-point connector)	AC+DC			DC	
Measurement range	2.0 - 999.9 mV	1,000 - 1,200 V	± (0.0 - 999.9 mV)	± (1,000 - 2,000 V)	
Resolution	0.1 mV	1 mV	0.1 mV	1 mV	
Accuracy		± (1°	% R + 2 cts)		
PHASE ROTATION	45 to 550 V / 45 to 65 Hz				
GENERAL SPECIFICATIONS	STATE AT DELIVERY AND REFERENCE				
Display	231-segment backlit LCD				

Display	231-segment backlit LCD		
Data storage	30 sites x 99 tests		
Power supply	6 Ni-MH. Rechargeable batteries	1	
Average battery life	20 hours	1	
International standards	IEC 61010-1, IEC 61010-2-030, IEC 61010-2-034 / 600 V CAT III (300 V CAT II on charger input), IEC 61557 parts 1, 2, 3, 4, 5, 6, 7 and 10		
Electromagnetic compatibility	Compliant with the IEC 61326-1 standard		
Protection rating	IP 54 as per IEC 60 529 / IK 04 as per IEC 50102	1	
Communication	Bluetooth Class 1, range > 10m	1	
Dimensions (L x W x H)	223 x 126 x 70 mm	1	
Weight	Approx. 700 g	1	

Remote-control probe P01102157 Euro-socket test cable HX0300 Neck strap HX0302 MN73A clamp P01120439 Basic earth kit P01102019 Continuity rod P01102084A MX535 kit + Rod + Earth kit P01299975

MX0535 1 MX 535 low-voltage installation tester delivered with:

1 carrying bag, 1 neck strap, 1 EURO 3-pole mains plug, 3 safety cables (1.5 m - 4 mm - red/black/green), 3 crocodiles clips (red/black/green), 1 black test probe, 6 NiMH batteries, 1 2A USB power supply, 1 USB-razor-type connector power supply cable, 1 User's Manual on CD-ROM (5 languages), 1 quick startup guide on paper, 1 safety datasheet, 1 battery information sheet, 1 test report with measurement report.



FRANCE

Chauvin Arnoux 190, rue Championnet 75876 PARIS Cedex 18 Tel: +33 1 44 85 44 38 Fax: +33 1 46 27 95 59 export@chauvin-arnoux.fr www.chauvin-arnoux.com

UNITED KINGDOM

Chauvin Arnoux LTD
Unit 1 Nelson Ct, Flagship Sq, Shaw Cross Business Pk
Dewsbury, West Yorkshire - WF12 7TH
Tel: +44 1924 460 494 Fax: +44 1924 455 328 info@chauvin-arnoux.co.uk www.chauvin-arnoux.com

MIDDLE EAST Chauvin Arnoux Middle East P.O. BOX 60-154 1241 2020 JAL EL DIB - LEBANON Tel: +961 1 890 425 Fax: +961 1 890 424 camie@chauvin-arnoux.com www.chauvin-arnoux.com

