

COMPARISON TABLE

Multifunctional Electrical Installation Safety Testers

BRAND	METREL	METREL	METREL	METREL	FLUKE	FLUKE	FLUKE	MEGGER	MEGGER	TURBOTRONIC	GOSSEN
MODEL	NEW MI 3107	MI 3136	MI 3100S	MI 3100SE	1662	1672	1673	MFT 1721	MFT X1	KT600	METRALINE MF
FEATURES											
Insulation resistance	•	•	•	•	•	•	•	•	•	•	•
Continuity and resistance	•	•	•	•	•	•	•	•	•	•	•
Line/Loop Impedance	•	•	•	•	•	•	•	•	•	•	•
RCD A, AC and F type	•	•	•	•	•	•	•	•	•	•	•
RCD B and B+ type	•	•					•	•	•	•	•
RCD for EV charging	•	•					•		•	•	•
RCD Custom test current (AC/DC/Pulse)	•	•									
RCD Autotest function	•	•	•	•	•	•	•	•	•	•	•
Voltage / Frequency / Phase rotation	•	•	•	•	•	•	•	•	•	•	•
Current clamp input									•		
Earth Resistance (3 pole)	•	•	•	•			•	•	•	•	•
Insulation test speed (1000V/10MΩ)	2.37 sec	2.22 sec	2.56 sec	5.22 sec		6.11 sec	6.11 sec	7.16 sec	7.16 sec	6.11 sec	6.11 sec
Loop Impedance (Low current)	6.42 sec	6.76 sec	11.30 sec	11.56 sec	7.15 sec	19.22 sec	19.22 sec	10.57 sec	10.57 sec	17.2 sec	17.2 sec
Auto TN	3.16 sec										
Auto TN rcd	6.92 sec			23.54 sec		18.06 sec	18.06 sec				
AUTO TT	4.15 sec			20.81 sec							
Auto TT rcd	3.10 sec										
RCD Autotest speed (A type/30mA)	19.99 sec	24.71 sec	54.52 sec	57.95 sec	18.24 sec	31.82 sec	31.82	39.65 sec	39.65 sec	37.52 sec	37.52 sec
Autotests for TT and TN systems	•	•		•			•				
Autotest for EV Charging stations	•	•					•				
Measurement help screens	•	•	•	•		•	•			•	•
PC Software	•	•		•		Optional	Optional				•
Communication Interface	USB-C	USB-C		•		USB-C	USB-C			USB-B	USB-B
Mobile app & WiFi/BT connection	•	•					•		Optional		
Memory	•	•		•		•	•			•	•
Ingress Protestion Rating	IP 40	IP 40	IP 40	IP 40	IP 40	IP 40	IP 40	IP 54	IP 54	IP40	IP 40
Overvoltage protection	CAT IV / 300 V	CAT IV / 300 V	CAT IV / 300 V	CAT IV / 300 V	CAT IV / 300 V	CAT IV / 300 V	CAT IV / 300 V	CAT IV / 300 V	CAT IV / 300 V	CAT IV / 300 V	CAT IV / 300 V
Battery type	5.2 Ah Li-Ion	5.2 Ah Li-Ion	6 × AA NiMH	6 × AA NiMH	6 x AA	2.5 Ah Li-ion	2.5 Ah Li-ion	6 × AA	4.4 Ah Li-Ion	6 × AA	6 × AA NiMH
Battery life	14 hour	14 hour	20 hour	20 hour	200h	8 hour	8 hour	40h	15 hour	20h	20h
Display	Colour 4.3''	Colour 4.3''	B&W 2.4''	B&W 2.4''	B&W Segment	Colour 5''	Colour 5''	B&W Segment	Colour 4.3''	Colour 3.5''	Colour 3.5''
Touch screen	•	•				•	•				
Weight	1400 g	1350 g	1300 g	1290 g	1300 g	1600 g	1600 g	1000 g	2100 g	1300 g	1300 g
Size	230x103x115 mm	272x152x70 mm	230x103x115 mm	230x103x115 mm	250x125x100 mm	263x142x119 mm	263x142x119 mm	235x150x85 mm	274x143x96 mm	152x252x183 mm	250x107x135 mm

DISCLAIMER: *Technical data for products is subject to change.*

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