

Wavecom



MFT4 PLUS

Multifunction Installation Tester

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MFT-4 PLUS

Multifunction Installation Tester

Overview

The MFT4 PLUS Digital Multifunction Installation Tester covers safety, fault finding & compliance for installations, switchboards, socket outlets, plant & machinery. Built for AS/NZS 3000 Mandatory Testing Requirements, the MFT4 PLUS is a true multifunction tester.

Loaded with powerful features that are readily accessible by the selector switch and clearly marked push buttons, it makes testing easy. A large back lit LCD screen displays high accuracy results and also benefits from the latest in the digital microprocessor technology which delivers stable readings without digit flicker.

The MFT4 PLUS has been designed to safe guard the user as well as protection for the tester. Continuity and Insulation functions are rated at 500V CATIII. Loop and RCD functions are rated at CATIV 300V. Dangerous supply conditions or potential hazards are indicated by a red neon and audible alarm. The MFT4 PLUS is fuse protected the LCD will display a fuse blown alert in the event this occurs. The enclosure is also double insulated for extra protection. All ranges are Subsequently protected against an over voltage situation up to 550V. To ensure the user uses the correct inputs there is also a safety interlock for the test inputs.

Test Options

- ◇ Type A/AC RCD compatible
- ◇ RCD Trip Time
- ◇ RCD Ramp Current
- ◇ RCD Auto and Quick Auto tests
- ◇ Insulation Resistance (250/500/1000V)
- ◇ Loop Impedance Non Trip/High Current
- ◇ PFC and PSC
- ◇ Low Ohms
- ◇ Voltage
- ◇ Polarity

Other Features

- ◇ Large Backlit LCD Display
- ◇ Extended Battery Life & Battery Power Indication
- ◇ Hands Free Mode
- ◇ Socket Wiring Check
- ◇ Auto-Power Off
- ◇ Audible Tones

Contents

- ◇ Switchboard Test Leads.
- ◇ Socket Outlet Test Leads.
- ◇ Soft Carry Case.
- ◇ 4 X AA Batteries.
- ◇ Calibration Certificate.



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Specifications

Insulation Test Range Accuracy

Voltage	Ranges (Auto Range)	Tolerance (at 20°C)
250V	0.000 MΩ to 9.999 MΩ	±3% ±1 digit
	10.00 MΩ to 99.99 MΩ	±3% ±1 digit
	100.0 MΩ to 999.9 MΩ	±6% ±1 digit
	1000 MΩ to 2000 MΩ	±6% ±1 digit
	10.000 MΩ to 9.999 MΩ	±3% ±1 digit
500V	10.00 MΩ to 99.99 MΩ	±3% ±1 digit
	100.0 MΩ to 199.9 MΩ	±3% ±1 digit
	200.0 MΩ to 999.9 MΩ	±6% ±1 digit
	1000 MΩ to 2000 MΩ	±6% ±1 digit
1000V	0.000 MΩ to 9.999 MΩ	±3% ±1 digit
	10.00 MΩ to 99.99 MΩ	±3% ±1 digit
	100.0 MΩ to 399.9 MΩ	±3% ±1 digit
	400.0 MΩ to 999.9 MΩ	±6% ±1 digit
	1000 MΩ to 2000 MΩ	±6% ±1 digit

PSC/PFC

PSC accuracy is derived from measured loop impedance specification and measured voltage specification.

Voltage measurement: ±3% 50/60Hz and 90 - 250V

Loop Test Range Accuracy

Range	Accuracy
No trip: 0.00Ω - 99.99Ω	±5% ± 5 digits
No trip: 100.1Ω - 500.1Ω	±3% ± 3 digits
High Current: 0.00Ω - 99.99Ω	±3% ± 3 digits
High Current: 100.1Ω - 500.1Ω	±3% ± 3 digits

Continuity Test Range Accuracy

Ranges (Auto Range)	Tolerance (at 20°C)
0.00 to 99.99 Ω	±3% ±2 digits
100.0 to 999.0 Ω	±3% ±2 digits
1000 Ω to 9999 Ω	±3% ±2 digits
10.00k Ω -19.99k Ω	±3% ±2 digits
Open Circuit Voltage	>4V, <10V
Short Circuit Current	>200 mA
Zero offset Adjust (Test Lead Null)	4 Ω
Typical Test Time (2 Ω)	<2 sec
Hazard warning LED	>25V

Insulation Output Voltage

Voltage	Load	Output	Current Tolerance
250V	250 kΩ	1 mA	- 0% +20%
500V	500 kΩ	1 mA	- 0% +20%
1000V	1 MΩ	1 mA	- 0% +20%
Short Circuit Current (in to 2 kΩ)			<2 mA
Typical Test Time (10 MΩ)			<2 sec

RCD Test Range Accuracy

Supply Voltage 207V - 264V AC 50Hz

Test current accuracy (½ I)	±5%
Test current accuracy (I, 5I)	±5%
Trip time accuracy up to 1 second	±(1% ± 1ms)
Trip time accuracy over 1 second	±(1% ± 10ms)

Ordering Information

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WCM-MFT-4PLUS

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