



MT723 Clamp Meter *TRUERMS*

The MT723 is a CAT III 600V, 4000 count True RMS 400AAC/DC digital clamp meter with indication on a large backlit LCD display, providing fast sampling time with high accuracy. The meter measures 1000V AC/DC, temperature, frequency, capacitance and resistance measurements, plus 100ms Inrush current and Peak Voltage value. The VFD function allows the user to measure stable voltage in high frequency applications of Variable Frequency Drives. Added features include Relative mode for Capacitance Zero and DCV, ACV and ACA offset adjustment, Non-Contact voltage detection, data hold function and a built-in flashlight for dimly lit areas. Housed in a modern double moulded rubber housing.

Features

- 4000 count backlit LCD display
- Ø30mm Cable Clamp size
- Measurement of DC voltage and AC voltage up to 1000V
- Capacitance to 100mF
- Temperature measurement from -20°C to 1000°C
- INRUSH Current Measurements
- VFD - Variable Frequency Drive voltage value
- NCV - Non-Contact Voltage Detector
- Built-In Flashlight
- Continuity buzzer and Diode Test
- Peak Mode and Data Hold function
- Auto Power Off

Function	Range	Accuracy
DC Current	40.00A - 400A	$\pm(2.0\% + 8)$
AC Current	40.00A - 400A	$\pm(2.0\% + 8)$
DC Voltage	4.000V - 1000V	$\pm(1.0\% + 3)$
AC Voltage	4.000V - 1000V	$\pm(1.2\% + 5)$
Resistance	400.0Ω - 40MΩ	$\pm(1.5\% + 2)$
Frequency	10Hz - 100kHz	$\pm(1.0\% + 5)$
Capacitance	99.00nF - 100mF	$\pm(3.0\% + 5)$
Temperature	-20°C - 1000°C	$\pm(3.0\% + 3^{\circ}\text{C})$
Duty Cycle	20.0% to 80%	$\pm(1.2\% + 10)$
Size	220 x 80 x 39mm	
Weight	305g	



IEC
61010-1
CAT III
600V

IEC
61010-1
CAT II
1000V



Red Light indicates detection of Non Contact Voltage (NCV)



4000 Count Backlit LCD Display



Rear entry of standard 4mm Test Lead Terminals



Inrush Current, Peak Hold & VFD Measurements



Meter includes flash light to light up area of test

MT723 | 400A AC Clamp Meter

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MT500 Insulation Tester

The MT500 is a rugged, compact and easy to use Insulation and Continuity Tester. The instrument offers three insulation test ranges: 250V, 500V and 1000V, a 3Ω continuity range and a 500Ω resistance range. This meter is not only equipped with a "Live Circuit Warning" but also displays the actual AC voltage measurements of the mains supply. The scale has a backlight which is ideal when working in dimly lit environments.



Features

- Three test ranges 250V-500V-1000V
- 600V AC voltage range
- Live Circuit warning and buzzer
- Data Hold function
- 1mA output current on insulation test
- 200mA short circuit on continuity range
- Automatic discharge after test
- Front panel zero adjustment for test lead resistance
- Lock down Test Button for continuous use
- Hands free strap and magnet supplied as standard accessories
- Rubber overmould housing
- Illuminated display

Function	Range	Accuracy
Insulation resistance	250V - 100MΩ	±(5.0%)
Insulation resistance	500V - 200MΩ	±(5.0%)
Insulation resistance	1000V - 400MΩ	±(5.0%)
Short circuit current	1.3mA	
Measuring Current	200mA@4.5V	
AC voltage	0 - 600V	±(3.0%)
Resistance	3Ω - 500Ω	±(3.0%)
Size	200 x 92 x 50mm	
Weight	700g	



Colour Coded Display
& LED Backlight



Lock down test button
for continuous use



500Ω Resistance



Measures ACV



MT500 | Analogue Insulation Tester

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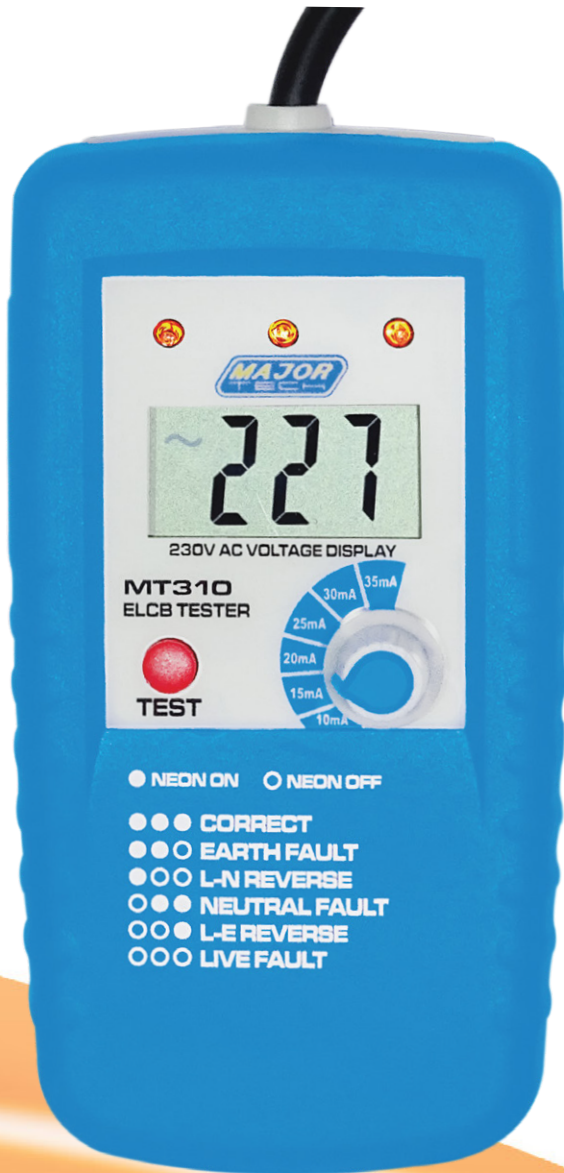
MT310 Socket ELCB Tester

The MT310 Earth Leakage Tester is a compact, lightweight and easy to use socket and polarity and earth leakage tester that tests 3-wire 230V AC circuits and Earth Leakage Circuit Breakers. A unique feature is the AC Voltage indication on the LCD display. It also features a milli-amp (mA) trip setting with a separate test button. The unit can be set from 10mA, used for testing saturation and to eliminate nuisance tripping, to 35mA. The bright neon indication assists the user in confirming the wiring status of the circuit under test. Simply plug the MT310 into a wall socket and the results are clearly displayed. For additional safety, the MT310 is rated at CAT IV 300V and CAT III 600V.

Features

- Compact, lightweight and easy to use
- Correct Wiring Indication with neon lights
- Operates on 230V systems
- AC Voltage measurement on LCD display
- Fixed current settings from 10mA to 35mA
- Separate test button
- Double injection rubber housing

Function	Range	Accuracy
ELCB Trip Ratings	10mA - 15mA - 20mA - 25mA 30mA - 35mA	± 1.75mA AT 220V AC
AC Voltage Indication	From 150V AC to 245V AC	
Wiring Identification		
● ● ●	● ● ● Wiring Correct	
Neon On	● ● ● No Earth	
● ● ●	● ● ● Live and Neutral Reversed	
Neon Off	● ● ● No Neutral	
	● ● ● Live And Earth Reversed	
	● ● ● No Live	
Size	130 x 69 x 32mm	
Weight	130g	



IEC
61010-1
CAT III
600V



Correct Wiring Indication



Current 10mA - 35mA



Wire Identification

MT310 | **Socket ELCB Tester**

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