



MT770 Clamp Meter *TRUERMS*

The MT770 is a CAT IV 600V, 6000 count True RMS 1000A AC 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, while the Low Z range function has a low pass filter to eliminate errors caused by "Ghost" voltages. 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

- 6000 count backlit LCD display
- Ø33mm 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
- LoZ - Low impedance mode prevents false readings due to "Ghost" voltage
- 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
AC Current	600.0A - 1000A	±(2.5% +8)
DC Voltage	600.0mV – 1000V	±(1.5% +2)
AC Voltage	6.000V – 1000V	±(1.5% +5)
LoZ AC Voltage	6.000V – 300V	±(3.0% +40)
Resistance	600.0Ω – 60MΩ	±(1.5% +2)
Frequency	9.999Hz – 99.99kHz	±(1.2% +5)
Capacitance	60.00nF – 100mF	±(3.0% +5)
Temperature	-20°C – 1000°C	±(3.0% +5°C)
Duty Cycle	10.0% to 90%	±(1.2% +2)
Size	230 x 66 x 44mm	
Weight	350g	



Red Light indicates detection of Non Contact Voltage (NCV)



6000 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

MT770 | 1000A AC Clamp Meter

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