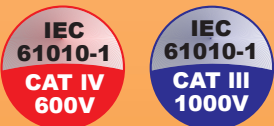# MT765
IR Thermometer Clamp Meter

TRUE RMS

The MT765 is a CAT IV 600V True RMS 600A AC digital clamp meter incorporating an Infrared Thermometer. This clamp meter has a large 6000 count negative LCD display that provides fast sampling times and high accuracy measurements. The IR Thermometer has a spot ratio of 4:1 and measures temperature from -30ºC to +350ºC, plus there is a K-Type thermometer input for measurements up to 1000ºC. The meter measures 1000V AC/DC, frequency, capacitance and resistance measurements. 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 with a rugged design. This meter is a useful measuring tool for electricians, maintenance and HVAC environments.

Features

- 6000 count negative LCD display
- Ø33mm Cable Clamp size
- Measurement of DC voltage and AC voltage up to 1000V
- Capacitance to 10mF
- Temperature measurement from -20ºC to 1000ºC
- IR Temperature Spot Ratio 4:1 & measurement from -30ºC to 350ºC
- VFD - Variable Frequency Drive voltage value
- NCV – Non-Contact Voltage Detector
- Built-In Flashlight
- Continuity buzzer and Diode Test
- Max, Min and Data Hold function
- Auto Power Off

Function	Range	Accuracy
Jaw Size	33mm	
AC Current	60.0A - 600A	±(2.5% +8)
DC Voltage	600.0mV – 1000V	±(0.8% +5)
AC Voltage	6.000V – 1000V	±(1.5% +5)
Resistance	600.0Ω – 60MΩ	±(2.0% +5)
Frequency	9.999Hz – 9.99kHz	±(1.5% +6)
Capacitance	999.99nF – 10mF	±(4.0% +6)
Temperature	-20ºC – 1000ºC	±(3.0% +3ºC)
IR Temperature	-30ºC – 350ºC	±(2.0% +2ºC)
Duty Cycle	20.0% - 80%	±(1.2% +5)
Size	239 x 66 x 44mm	
Weight	350g	

IEC 61010-1 CAT IV 600V

IEC 61010-1 CAT III 1000V

Red Light indicates detection of Non Contact Voltage (NCV)

6000 Count Backlit Negative Colour Display

Rear entry of standard 4mm Test Lead Terminals

Illuminated functions for easy selection in dimly lit areas

Meter includes flash light to light up area of test

MT765 | 600A AC Clamp Meter with IR Thermometer