



# MT765 IR Thermometer Clamp Meter *TRUERMS*

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 -30°C to +350°C, plus there is a K-Type thermometer input for measurements up to 1000°C. 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 -20°C to 1000°C
- IR Temperature Spot Ratio 4:1 & measurement from -30°C to 350°C
- 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	-20°C – 1000°C	±(3.0% +3°C)
IR Temperature	-30°C – 350°C	±(2.0% +2°C)
Duty Cycle	20.0% - 80%	±(1.2% +5)
Size	239 x 66 x 44mm	
Weight	350g	



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

Contact Us  
South Africa

Australia

www.major-tech.com

sales@major-tech.com

www.major-tech.com.au

info@major-tech.com.au