



# MT782 Solar Clamp Meter TRUE RMS

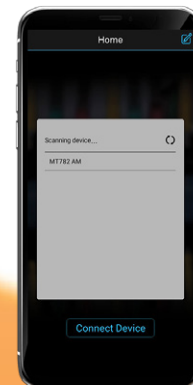
The MT782 is a CAT IV 600V True RMS 1000AAC/DC digital clamp meter. This clamp meter has a large 6000 count colour TFT LCD display with an analogue bargraph that provides fast sampling times and high accuracy measurements. The meter has been designed to measure 1500V DC purposely for the Solar industry, 1000V AC, K-Type temperature, frequency, capacitance, AC+DC Voltage and resistance measurements. The Low Z ACV range has a low pass filter to eliminate errors caused by "Ghost" voltages. The 100ms Inrush current detects starting up currents of electric motors, input surge current, or switch-on surge currents, this is the maximum instantaneous input current drawn by an electrical device when first turned on. The meter has a built-in record and store function and displays trend capture, using the Bluetooth function the meter wirelessly transmits data to the Android or iOS mobile App allowing the user to view, save, organise and share recordings. Added features is Non-Contact voltage detection, Peak Hold, Min/Max and Average, Data hold function and a built-in flashlight for dimly lit areas. The double injection moulded housing is IP65 waterproof.



## Features

- 6000 count 2.4" TFT Colour LCD display
- Ø37mm Cable Clamp size
- Measurement of DC voltage to 1500V and AC voltage up to 1000V
- AC+DC TRMS Voltage
- INRUSH Current Measurements
- Capacitance to 100mF
- Temperature measurement from -40°C to 1000°C
- Logging function with Trend Capture
- NCV – Non-Contact Voltage Detector
- Built-In Flashlight
- Continuity buzzer and Diode Test
- Max, Min and Average with Time Stamp
- Auto Power Off
- Optional MT740 Flexible Coil Clamp for measurement to 3000AAC

Function	Range	Accuracy
Jaw Size	37mm	
DC Current	60.00A - 1000A	±(2.0% +8)
AC Current	60.00A - 1000A	±(2.5% +5)
Flexible Coil		
Current (Optional)	30.00A - 3000A	±(3.0% +5)
DC Voltage	600.0mV – 1500V	±(0.5% +5)
AC Voltage	6.000V – 1000V	±(1.2% +5)
LowZ AC Voltage	6.000V – 300V	±(3.0% +40)
AC+DC TRMS Voltage	6.000V – 1000V	±(2.5% +20)
LowZ AC+DC Voltage	6.000V – 300V	±(3.5% +40)
Resistance	600.0Ω – 60MΩ	±(0.8% +5)
Frequency	60.00Hz – 10.00MHz	±(0.2% +5)
Capacitance	60.00nF – 100.0mF	±(3.0% +8)
Temperature	-40°C to 1000°C	±(1.5% +3°C)
Duty Cycle	10.0% to 90%	±(1.2% +8)
AC Current	60.00A - 1000A	±(2.5% +5)
Size	270 x 95 x 42mm	
Weight	550g	



**MT782 | 1500V DC Solar Clamp Meter**

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