

TRUERMS



MT790

1000A AC POWER CLAMP



The MT790 is a Single and 3-Phase 1000 Amp True RMS AC Power Clamp Meter. This Power Clamp meter operates as a True RMS Clamp Meter, Power Meter, Multimeter and AC Voltage Detector. Measuring ranges include AC Current, Voltage, Frequency and Power including True Power, Apparent Power, Reactive Power and Active Power. Measures 1-Phase and balanced 3-Phase True Power (kW), Apparent Power (kVA), Reactive Power (kVAR) and Active Power (kWh), plus Power Factor and Phase Angle. Manually stores and recalls of up to 99 data logs. USB interface for connection to a PC for data logging function with included software.

Features

- True RMS Clamp Meter, Power Meter and DMM
- Ø55mm Cable clamp size
- Measures AC current up to 1000 Amps
- Measures AC voltage to 750V
- USB interface for PC connection for Data Log Function
- Analysis for single phase and balanced three phase system
- Manual data memory
- KW/KVA/KVAC/Pf
- MIN/MAX and Data Hold
- Auto Power Off
- Complete with Colour Coded Test Leads
- Manually Store/Recall up to 99 Data Logs
- Large Dual LCD Display with 9999 Count and Bargraph

Function	Range	Accuracy
Jaw size	55mm	
AC Current	40A - 1000A	±(2.0% +5)
AC Voltage	100 - 750V	±(1.2% +5)
Frequency	50Hz - 200Hz	±(0.5% +5)
Temperature	-50 to 1300°C	±(3% +5°C)
Active Energy	1-9999kWh	±(3.0% +2)
Active Power	0,01kW - 750,0kW	±(3.0% +5)
AC Bandwidth	50Hz to 60Hz	
Apparent Power	0.01KVA-750.0KVA	±(3.0% +5)
Reactive Power	0.01KVA-750.0KVA	
Power Factor	0,3-1	±(2% +20)
Size	335 x 70 x 21mm	
Weight	631g	

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MT785

1000A AC/DC WATT METER



The MT785 is a True RMS AC and DC watt clamp on meter with Bluetooth. This meter provides safe, non-invasive measurements of up to 240kW. The light weight, portable, battery powered clamp meter measures the most common ACV, DCV, ACA, DCA and Resistance needed to trouble shoot residential and small commercial electrical systems. The readings are displayed on a 4000 count LCD display and the meter has a back light ideal for use in dimly lit areas. The MT785 is housed in a double injection rubber casing.

Features

- True RMS
- Ø42mm Cable clamp size
- Measures AC and DC current up to 1000A
- Measures AC/DC voltage to 1000V
- Measures Power Factor
- AC/DC Power to 240kW
- Measures Total Harmonic Distortion
- Resistance to 40MΩ
- Frequency measurement to 50kHz
- Duty cycle test
- Bluetooth BLE
- Data Hold
- Microprocessor DC zero
- Large LCD display with white LED back light
- Diode Test and Continuity Buzzer
- Auto Power Off

Function	Range	Accuracy
AC True RMS Current	60A - 1000A	±(2.5% +8d)
DC Current	60A - 1000A	±(2.5% +0.2d)
AC True RMS Voltage	6.000V - 1000V	±(1.0% +5d)
DC Voltage	600mV - 1000V	±(0.8% +20d)
Resolution	0.1mV	
Resistance	600.0Ω - 60MΩ	±(1% +4d)
Capacitance	6.000nF - 6000uF	±(5% +30d)
Frequency	6.000Hz - 10MHz	±(1.0% +5d)
Duty Cycle	0.5% ~ 99.9%	±(1.2% +10d)
Temperature	-50°C - +1000°C	±(3% +5°C)
Total Harmonic Distortion	99.9%	±(3% +10d)
Active Power	999.9KW	
Power Factor	-1.0 ~ 0 ~ 1.0	±(3% +1d)
Diode Test	Forward DCA is approx. 1mA, open circuit Voltage MAX. 3V	
Continuity Check	Buzzer sounds at 50Ω	
Size	230 x 76 x 40mm	
Weight	315g	



MT250



DATA LOGGER

The MT250 is designed for easy of use in recording AC Voltage and Current. The Logger can be programmed simply via USB interface from your PC. 1 second rapid sampling rate variable to 24 hours. LCD display of Voltage or Current for quick reference checks.

Features

- Magnetic back plate for easy of attachment to metal surfaces
- Each channel can record up to 50022 data
- Date and Time Stamp
- Graphical and Printed Text information
- Battery or AC power supply

Function	Range	Accuracy
Measurements & Parameters	Voltage, Current.	
Voltage (RMS)	6 - 600.0V	±(2% ±1V)
Allowable Input	50/60Hz, 10% or more of the range Ch1	
Display Range	0-105% of each range	
Crest Factor	2.5 or less:RMS (sine) 95% or less of each range	+2% +1%f.s.
Sampling Speed	1second to 24Hour	
Current (RMS)	2 - 200A	
Frequency Range	40 - 1KHz	
PC Communication	USB	
Size	114 x 63 x 34mm	
Weight	248g	