

Product Datasheet - Technical Specifications



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MW3010B 600A TRMS AC Clamp Meter

The MW3010B clamp meter is an essential tool for electrical professionals and maintenance technicians. Designed to measure **AC currents up to 600A with TRMS accuracy**, it ensures precise readings even on non-sinusoidal signals. Robust and ergonomic, it offers additional features such as voltage measurement, continuity, and resistance, ensuring versatility and reliability for all electrical applications.

■ Features :

- AC current measurement up to 600A (TRMS)
- AC / DC voltage measurement up to 1000V (TRMS)
- Frequency measurement up to 10MHz
- Resistance measurement up to 60M Ω
- Capacitance measurement up to 100mF
- Diode testing
- Temperature measurement (with supplied type K thermocouple)
- Continuity test with buzzer
- Jaw opening: maximum 27mm
- Non-contact voltage detection (NCV)
- Automatic range selection
- Backlit LCD screen
- Automatic shutdown after inactivity
- Inrush current capture mode
- HOLD function
- 6000 counts display
- Safety : CAT IV 600V - CAT III 1000V



NEW



TRMS AC

CAT IV 600V
CAT III 1000V

600A TRMS AC Clamp Meter

Specifications				
AC Current	Range	Resolution	Accuracy	
	6A	0,001A	± (2,5% of reading + 5dgt)	
	60A	0,01A		
	600A	0,1A		
	Minimum measured value		0,01A	
AC Voltage	Range	Resolution	Accuracy	
	6V	0,001V	± (0,8% of reading + 5dgt)	
	60V	0,01V		
	600V	0,1V		
	1000V	1V	± (1% of reading + 5dgt)	
	Bandwith		45Hz to 1000Hz	
	Minimum measured value		1mV (RMS)	
DC Voltage	Range	Resolution	Accuracy	
	6V	0,001V	± (0,5% of reading + 5dgt)	
	60V	0,01V		
	600V	0,1V		
	1000V	1V		
	Minimum measured value		1mV (RMS)	
Frequency	Range	Resolution	Accuracy	
	On "A" position		± (1% of reading + 5dgt)	
	100Hz	0,01Hz		
	1000Hz	0,1Hz		
	10kHz	0,001kHz		
	Input frequency range			10Hz - 10kHz
	Input signal		≥ 25A AC	
	On "V" position			± (1% of reading + 5dgt)
	100Hz	0,01Hz		
	1000Hz	0,1Hz		
	10kHz	0,001kHz		
	100kHz	0,01kHz		
	500kHz	0,1kHz		
	Input frequency range		10Hz - 500kHz	
	Input signal		≥ 0,8V AC (RMS)	
	On "Hz/%" position			± (0,5% of reading + 5dgt)
	10Hz	0,001Hz		
	100Hz	0,01Hz		
	1kHz	1Hz		
	10kHz	10Hz		
	100kHz	100Hz		
	1MHz	1kHz		
	10MHz	10kHz		
1% - 99%		0,10%		
Resistance	Range	Resolution	Accuracy	
	600Ω	0,1Ω	± (1% of reading + 3dgt)	
	6kΩ	0,001kΩ		
	60kΩ	0,01kΩ		
	600kΩ	0,1kΩ		
	6MΩ	0,001MΩ	± (2% of reading + 3dgt)	
Continuity	Range	Resolution	Function	
	-	1Ω	If the resistance is less than 30Ω, a sound will be emitted. Circuit voltage is approx. 1V	
	Protection		1000V DC or AC (RMS)	

600A TRMS AC Clamp Meter

Specifications

	Range	Resolution	Accuracy
Capacitance	6nF	0,001nF	± (4% of reading + 5dgt)
	100nF	0,1nF	
	1µF	1nF	
	10µF	10nF	
	100µF	100nF	
	1mF	1µF	
	10mF	10µF	± (4% of reading+ 5dgt)
	100mF	100µF	± (5% of reading + 5dgt)
	Protection 1000V DC or AC (RMS)		
Diode	Range	Resolution	Accuracy
	3V	0,001V	not specified
Temperature	Range		Accuracy
	-20°C - 1000 °C	1°C	± (1% of reading + 2dgt)
	-4°F - 1832°F	2°F	± (1% of reading + 2dgt)

General specifications

Display	LCD display
Number of counts	6000 counts
Jaw opening	27mm max
Sampling time	3 measures/s
Automatic Power off time	after 10 minutes
Operation temperature	18°C to 28°C
Storage temperature	-10°C to 50°C < 80% R.H
Altitude	< 2000m
Safety	CAT IV 600V and CAT III 1000V
Power Supply	3 batteries 1,5V AAA
Dimensions	220mm x 75mm x 35mm
Weight	350g
Warranty	1 year

Included : Carrying case, test leads with tip probes, user manual, batteries, type K thermocouple with banana connectors

