

Product Datasheet - Technical Specifications



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Sefram

MW3036B

600A AC / DC TRMS Clamp Meter

The MW3036B clamp meter is an essential tool for electrical professionals and maintenance technicians. Designed to measure AC and DC **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 / DC 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 AC / DC TRMS Clamp Meter

Specifications

DC Current	Range	Resolution	Accuracy
	60A	0,01A	± (3% of reading + 10dgt)
	600A	0,1A	
	Minimum measured value	0,01A	
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%	± (3% of reading + 2dgt)	
Resistance	Range	Resolution	Accuracy
	600Ω	0,1Ω	± (1% of reading + 3dgt)
	6kΩ	0,001kΩ	
	60kΩ	0,01kΩ	
	600kΩ	0,1kΩ	± (2% of reading + 3dgt)
6MΩ	0,001MΩ		

600A AC / DC TRMS Clamp Meter

Specifications

	Range	Resolution	Function
Continuity	-	1Ω	If the resistance is less than 30Ω, a sound will be emitted. Circuit voltage is approx. 1V
Capacitance	Protection	1000V DC or AC (RMS)	
	Range	Resolution	Accuracy
	6nF	0,001nF	± (4% of reading + 5dgt)
	100nF	0,1nF	
	1μF	1nF	
	10μF	10nF	
	100μF	100nF	
	1mF	1μF	± (4% of reading + 5dgt)
	10mF	10μF	± (5% of reading + 5dgt)
	100mF	100μF	
Diode	Protection	1000V DC or AC (RMS)	
	Range	Resolution	Accuracy
	3V	0,001V	not specified
Temperature	Range	Resolution	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.

