

Product Datasheet - Technical Specifications



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Sefram

MW3536BF

Wattmeter clamps 1000A - 1000kW All measurements on power installation's with performing functions

Capabilities

- Current measurement AC/DC until 1000A (TRMS AC+DC)
- Current measurement until 3000A AC with flex (option)
- Voltage measurement TRMS AC+DC until 1000V
- Power measurement, PF, THD and harmonics from 1 to 25
- Frequency measurement
- Temperature measurement
- Indication of phase rotation
- Current measurement start
- Resistance measurement, continuity and diode test
- Capacity measurement
- Lighting of measurement section at jaws opening
- Voltage detector without contact
- Memory 1000 data
- Data logger (9999 data)
- LCD with backlight
- Fonctions HOLD, SMART HOLD, Min, Max, Moy
- Bluetooth Interface and SEFRAM Connect application (Android® and iOS®)



SEFRAM Connect
(Android® and iOS®)

Specifications

MW3536BF

Currents AC TRMS		Power factor (PF)	
Bandwidth	50Hz to 400Hz	Range	-1.00 to 1.00
Range	100A, 1000A	Resolution	0,01
Resolution	0,01A	Precision	±3°+1dgt
Accuracy	±(1,5% + 5dgt)	Total harmonic distortion (THD) and distortion per harmonic	
Currents DC		Range	0,1% to 100%
Range	100A, 1000A	Resolution	0,10%
Resolution	0,01A	Accuracy THD	±(3% + 10dgt)
Accuracy	±(1,5% + 0,2A or 5dgt)	Accuracy per harmonics of H01 to H12	±(5% + 10dgt)
Currents AC + DC (TRMS AC+DC)		Accuracy per harmonics of H13 to H25	±(10% + 10dgt)
Accuracy	Accuracy DC + accuracy AC	Frequencies	
Voltages AC TRMS et TRMS AC+DC		Range	20Hz to 10kHz
Bandwidth	50Hz to 500Hz	Resolution	0,01Hz
Range	100V and 1000V	Accuracy	±(0,5% + 3dgt)
Resolution	10mV to 100mV	Sensitivity	10% to 100% of current and voltage scaling
Accuracy TRMS AC	±(1% + 5dgt)	Temperature	
Accuracy TRMS AC + DC	±(1,7% + 7dgt)	Range	-50°C to 399,9°C and 400°C to 1000°C
Impedance	3,5MΩ // 100pF	Accuracy	±(1% + 3°C) or ±(1% + 6°F)
Voltages DC		Functions	Hold, MIN/MAX/MOY, Peak-Hold, automatic power-off, Voltage detector without contact, Low pass filter (HFR)
Range	100V and 1000V	Datalogger	
Resolution	10mV to 100mV	Memory	9999 measurements
Accuracy	±(0,7% + 2dgt)	Main specifications	
Impedance	3,5MΩ // 100pF	Digital display	Large backlight LCD screen with bargraph
Resistances		Display	10000 dots or 4000 dots
Range	1000Ω, 10kΩ, 100kΩ	Jaws opening	45mm
Resolution	0,1Ω to 10Ω	Diameter max of conductor	40mm
Accuracy	±(1% + 5dgt)	Measurement rate	3 measurement/s
Continuity		Automatic power-off	after 15 minutes
	with buzzer for R<30Ω and response time of 100ms	Temperature	0°C to 50°C
Diode test		Storage temperature	-20°C to 60°C
	yes	Protection	Electronic on all scales
Capacity		Safety	600V - CAT IV and 1000V - CAT III
Range	4μF to 4000μF	Power supply	6 piles 1,5V - AAA
Resolution	1nF to 1μF	Power life	50h typical (battery, without backlight)
Accuracy	±(1,9% + 8dgt)	Dimensions	103 x 258 x 55mm
Peak-Hold (voltage and current)		Weight	600g
Accuracy	±(5dgt)	Warranty	1 year
Motor start current (Inrush)			
Range	100A, 600A		
Precision	±(2,5% + 0,2A or 5dgt)		
Active power			
Range	10kW, 100kW and 1000kW		
Resolution	1W to 100W		
Accuracy	Current accuracy + voltage accuracy		

Supplied with : bag, test leads with touch points, user's guide, batteries.



FTMW3536BF A00 - Specifications can be updated without notice

Sefram



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