

## Product Datasheet - Technical Specifications



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# Sefram

# MW3516BF

## Wattmeter clamps 600A - 600kW All measurements on power installation's with performing functions

### Capabilities

- Current measurement until 600A (TRMS AC)
- Current measurement until 3000A AC with Flex (option)
- Current measurement TRMS AC+DC until 1000V
- Power measurement, PF, THD and harmonics of 1 to 25
- Frequency 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
- Functions HOLD, SMART HOLD, Min, Max, Moy
- Bluetooth Interface and SEFRAM Connect application (Android and iOS)



 **Bluetooth**  
SEFRAM Connect  
(Android and iOS)

### Specifications

### MW3516BF

<b>Currents AC TRMS</b>		Range	-1.00 à 1.00
Bandwith	50Hz to 400Hz	Resolution	0,01
Range	100A, 600A	Accuracy	±5dgt
Resolution	0,01A	<b>Total harmonic distortion and distortion per harmonic</b>	
Accuracy	±(1,5% + 5dgt)	Range	0,1% à 100%
<b>Voltage AC TRMS and TRMS AC+DC</b>		Resolution	0,10%
Range	100V, 1000V	Accuracy THD	±(3% + 10dgt)
Bandwith	50Hz to 400Hz	Accuracy per harmonics from H01 to H12	±(5% + 10dgt)
Range	100V and 1000V	Accuracy per harmonics from H13 to H25	±(10% + 10dgt)
Resolution	10mV to 100mV	<b>Frequencies</b>	
Accuracy TRMS AC	±(1% + 5dgt)	Range	20Hz to 10kHz
Accuracy TRMS AC + DC	±(1,7% + 7dgt)	Resolution	0,01Hz
Impedance	3,5MΩ // 100pF	Accuracy	±(0,5% + 3dgt)
<b>DC voltage</b>		Sensitivity	10% to 100% of current and voltage scaling
Range	100V and 1000V	<b>Fonctions</b>	
Resolution	10mV to 100mV	Hold, MIN/MAX/MOY	
Accuracy	±(0,7% + 2dgt)	Peak-Hold, Automatic power-off	
Impedance	3,5MΩ // 100pF	Voltage detector without contact, Low pass filter (HFR)	
<b>Resistance</b>		<b>Datalogger</b>	
Range	1000Ω, 10kΩ, 100kΩ	Memory	
Resolution	0,1Ω à 10Ω	9999 measurements	
Accuracy	±(1% + 5dgt)	1000 data	
Continuity	with buzzer for R<30Ω and response time of 100ms	<b>Main specifications</b>	
Test diodes	yes	Digital display	Large backlight LCD screen
<b>Capacity</b>		Display	10000 or 4000 dots
Range	4μF to 4000μF	Jaws Opening	45mm
Resolution	1nF to 1μF	Diamètre max du conducteur	33mm
Accuracy	±(1,9% + 8dgt)	Measurement rate	3 measurement/s
<b>Peak-Hold (current and voltage) current of motor start (Inrush)</b>		Automatic power-off	after 15 minutes
Accuracy	±(3% + 15dgt)	Temperature	0°C to 50°C
<b>Active power</b>		Storage temperature	-20°C to 60°C
Range	100A, 600A	Protection	Electronic on all scaling
Accuracy	±(2,5% + 0,2A or 5dgt)	Safety	600V - CAT IV and 1000V - CAT III
<b>Power factor (PF)</b>		Power supply	6 batteries 1,5V AAA
Range	10kW, 100kW and 600kW	Power life	50h typical (battery, without backlight)
Resolution	1W to 100W	Dimensions	103 x 243 x 55mm
Accuracy		Weight	540g

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



FTMW3516BF A00 - Specifications can be updated without notice

# Sefram



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