

# Sefram

# MW3516BF

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our Website**  
<http://www.sefram.fr>

## 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

Currents AC TRMS	
Bandwith	50Hz to 400Hz
Range	100A, 600A
Resolution	0,01A
Accuracy	±(1,5% + 5dgt)
Voltage AC TRMS and TRMS AC+DC	
Range	100V, 1000V
Bandwith	50Hz to 400Hz
Range	100V and 1000V
Resolution	10mV to 100mV
Accuracy TRMS AC	±(1% + 5dgt)
Accuracy TRMS AC + DC	±(1,7% + 7dgt)
Impedance	3,5MΩ // 100pF
DC voltage	
Range	100V and 1000V
Resolution	10mV to 100mV
Accuracy	±(0,7% + 2dgt)
Impedance	3,5MΩ // 100pF
Resistance	
Range	1000Ω, 10kΩ, 100kΩ
Resolution	0,1Ω à 10Ω
Accuracy	±(1% + 5dgt)
Continuity	with buzzer for R<300Ω and response time of 100ms
Test diodes	yes
Capacity	
Range	4μF to 4000μF
Resolution	1nF to 1μF
Accuracy	±(1,9% + 8dgt)
Peak-Hold (current and voltage)	
Accuracy	±(3% + 15dgt)
current of motor start (Inrush)	
Range	100A, 600A
Accuracy	±(2,5% + 0,2A or 5dgt)
Active power	
Range	10kW, 100kW and 600kW
Resolution	1W to 100W
Accuracy	
Power factor (PF)	

### MW3516BF

Range	-1.00 à 1.00
Resolution	0,01
Accuracy	±5dgt
Total harmonic distortion and distortion per harmonic	
Range	0,1% à 100%
Resolution	0,10%
Accuracy THD	±(3% + 10dgt)
Accuracy per harmonics from H01 to H12	±(5% + 10dgt)
Accuracy per harmonics from H13 to H25	±(10% + 10dgt)
Frequencies	
Range	20Hz to 10kHz
Resolution	0,01Hz
Accuracy	±(0,5% + 3dgt)
Sensitivity	10% to 100% of current and voltage scaling
Fonctions	
	Hold, MIN/MAX/MOY Peak-Hold, Automatic power-off Voltage detector without contact, Low pass filter (HFR)
Datalogger	
Memory	9999 measurements 1000 data
Main specifications	
Digital display	Large backlight LCD screen
Display	10000 or 4000 dots
Jaws Opening	45mm
Diamètre max du conducteur	33mm
Measurement rate	3 measurement/s
Automatic power-off	after 15 minutes
Temperature	0°C to 50°C
Storage temperature	-20°C to 60°C
Protection	Electronic on all scaling
Safety	600V - CAT IV and 1000V - CAT III
Power supply	6 batteries 1,5V AAA
Power life	50h typical (battery, without backlight)
Dimensions	103 x 243 x 55mm
Weight	540g

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

FTMW3516BF A00 - Specifications can be updated without notice



# Sefram

## For assistance and ordering



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