

Product Datasheet - Technical Specifications



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NEW

MW3517BF

Clamp Meter for PV Application with Bluetooth® interface



Specifications :

- 6000 count LCD display with backlight
- Dedicated photovoltaic mode: AC voltage measurement up to 1500V and DC up to 2000V (with the optional adapter SA163)
- AC current measurement up to 3000A (with optional Flex clamp SP295 or SP296)
- DC current measurement with a μA caliber
- Temperature measurement
- Resistance measurement and continuity measurement with buzzer
- Frequency measurement
- Measurement with high frequency rejection filter
- Non-contact voltage detection function
- Measurement of starting currents (inrushes)
- Datalogger function
- Bluetooth communication for storage of measured values and extraction of recorded values
- Integrated LED torch
- Min, Max and HOLD functions

Unique features

Benefit from all the functions necessary for the maintenance and installation of photovoltaic panels. Measure AC voltages up to 1500V and DC voltages up to 2000V using the optional accessory specially designed for measurements on SA163 photovoltaic installations.

An all in one device

Find all the functions of a multimeter in a current clamp making it possible to measure currents up to 600A AC and DC or up to 3000A AC using the optional SP295 or SP296 Flex clamps. Measure frequencies, capacitances, resistances, and also perform continuity measurements and test diodes.

Measurement security

Thanks to the accessory SA163 specially developed for measurements on photovoltaic installations, you protect the measuring device but you also protect your installation from any risk of error during measurement.

Data logger mode

Benefit from a datalogger function integrated into the device. Record all types of measurements with selectable intervals of 1, 15, 30 or 60 seconds.

A connected device

With its Bluetooth® interface and its application dedicated to tablets or smartphones (Android or iOS), you can monitor your measurements and record them in real time. You can also download the recorded data to the gripper. Then export the data via the tablet or the smartphone in .csv file in order to be able to process them in a spreadsheet software.

TRMS AC

Bluetooth®



600V CAT IV

Measure up to 2000V DC*

Bluetooth®

Temperature measurement

Current measurement up to 3000A**



* with optional adapter SA163

** with optional flex clamp SP295 or SP296



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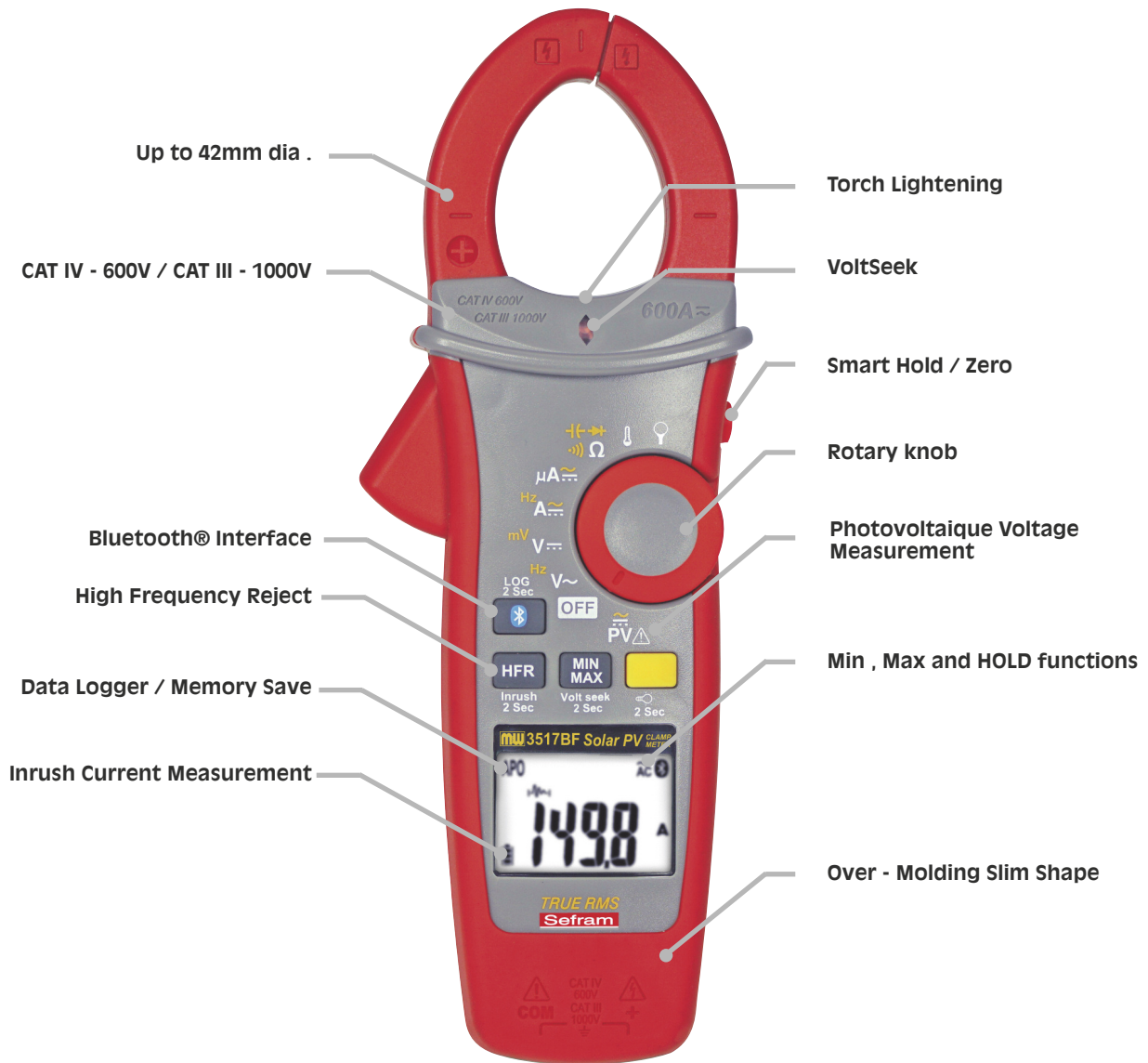
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MW3517BF

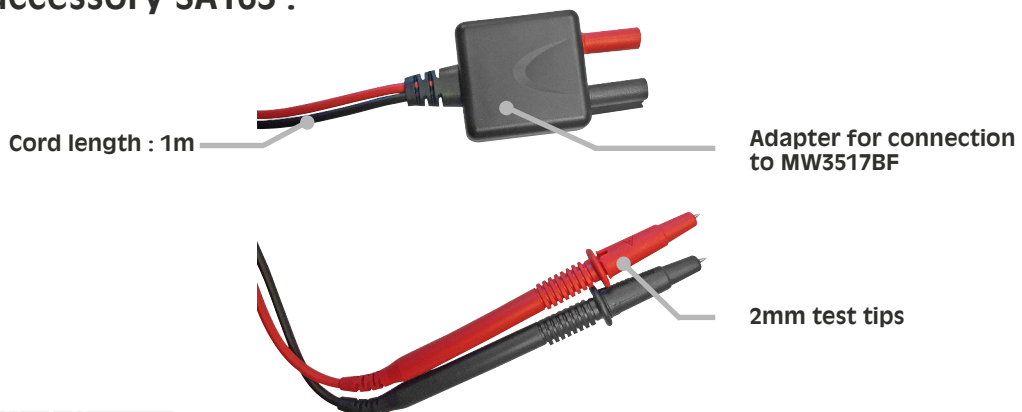
Sefram

Clamp Meter for PV Application with Bluetooth® interface

■ Description :



■ Optionnal accessory SA163 :



Clamp Meter for PV Application with Bluetooth® interface

Specifications	MW3517BF
DC Voltage	
Range	600mV to 1000V
Accuracy	± (0,7% + 5D)
Resolution	0,1mV to 1V
Input Impedance	10MΩ
Protection	1000V AC/DC
AC Voltage (TRMS AC)	
Range	600mV to 1000V
Accuracy	±(1,0% + 5D)
Resolution	0,1V to 1V
Bandwith	45 to 400Hz
Input Impedance	10MΩ
Protection	1000V AC/DC
AC Voltage with low impedance (LoZ)	
Range	600V to 1000V
Accuracy	±(2,0% + 5D)
Resolution	0,1V to 1V
Bandwith	45 to 400Hz
Input Impedance	< 3kΩ
Protection	1000V AC/DC
DC voltage on photovoltaic panels (with optional SA163)	
Range	600V to 2000V
Accuracy	±(2,0% + 5D)
Resolution	0,1V to 1V
Input Impedance	10MΩ
Protection	1000V AC/DC
AC voltage on photovoltaic panels (with optional SA163)	
Range	600V to 1500V
Accuracy	±(2,0% + 5D)
Resolution	0,1V to 1V
Bandwith	45 to 400Hz
Input Impedance	10MΩ
Protection	1000V AC/DC
AC and DC Current - μA Range	
Range	400μA to 4000μA
Accuracy	±(1,0% + 3D)
Resolution	0,1μA to 1μA
Bandwith	45 to 400Hz
Input Impedance	10MΩ
Protection	1000V AC/DC
DC Current	
Range	60A to 600A
Accuracy	±(2,0% + 5D)
Resolution	0,01A to 1A
Protection	600A AC/DC
AC Current (TRMS AC)	
Range	60A to 600A
Accuracy	±(2,0% + 5D)
Resolution	0,01A to 1A
Bandwith	45 to 400Hz
Protection	600A AC/DC
AC Current (with Flex clamp)	
Range	300A to 3000A
Accuracy	±(1,5% + 5D)
Resolution	0,1A to 1A
Bandwith	45 to 400Hz
Protection	1000V AC/DC
Resistance	
Range	600Ω to 600kΩ
Resolution	0,1Ω to 0,1kΩ
Accuracy	±(0,9% + 5D)
Protection	1000V AC/DC
Continuity	
Threshold	20Ω
Protection	1000V AC/DC
Buzzer	2KHz
Response time	< 500μsec

Clamp Meter for PV Application with Bluetooth® interface

Spécifications techniques		MW3517BF
Diode		
Gamme		1,5V
Accuracy		±(0,9% + 2D)
Protection		1000V AC/DC
Open Circuit Voltage		Approx. 1,8V
Capacitance		
Range		100µF to 1000µF
Accuracy		±(1,9% + 2D)
Resolution		0,1µF to 1mF
Protection		1000V AC/DC
Frequency		
Range		100Hz to 10kHz
Accuracy		±(0,3% + 3D)
Voltage Sensivity		1Hz to 10kHz : >5V
Current Sensivity		1Hz to 1kHz : >8A
High Frequency Reject		
Available on AC voltage and AC current measurement functions and on AC current measurement via the Flex SP295 and SP296 clamps		
Inrush Current Measurement		
Available on AC current functions and on AC current measurement via the Flex SP295 and SP296 clamps		
Temperature		
Range		-40°C to 400°C
Accuracy		±(1% + 20D)
Resolution		0,1°C
VoltSeek function		
High sensitivity range		80V to 1000V
Low sensitivity range		160V to 1000V
General Specification		
Display		6000 counts LCD with backlight
Measure		3 times per second
Memory		4000 data
Interface		Bluetooth with Sefram Connect App
Operating Temperature		-10°C to 50°C. according to hygrometry
Storage Temperature		-20°C to 60°C. 0 to 80% HR (without batteries)
Drop Protection		1 meter drop to hardwood on concrete floor
Safety		CAT III 1000V. CAT IV 600V
Power Requirement		AA 1.5V x 2 batteries
Autonomy		Approx. 300 hours
Dimensions (W x H x D)		62 x 240 x 41 mm
Weight		430g (including batteries)

Supplied with : test leads, manual, thermocouple K (ST305), batteries and carrying bag.

Optional accessories :



SA163: photovoltaic adapter