



# MW3518

### Clamp Meter 2000A TRMS AC + DC Dedicated to the inspection of photovoltaic and industrial installations

The MW3518 multimeter clamp is a multifunction clamp allowing to realize TRMS AC+DC measurements in current and in voltage. It allows a current measurement up to 2000A in order to meet all the needs in the industrial field. It can also measure DC voltages up to 1500V and AC voltages up to 1000V to meet the needs of photovoltaic applications. It is not necessary to use a specific adapter to measure DC voltage up to 1500V since it is classified as 1000V AC/DC - CAT IV and 1500V DC CAT III.

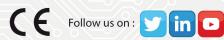
Also featuring advanced functions such as frequency measurement, resistance measurement up to  $40M\Omega$ , capacitance measurement up to 2000µF or temperature measurement, it will answer to all your controls or troubleshooting needs.

#### Caracteristics :

- Current measurement up to 2000A TRMD AC + DC (400Hz max)
- Voltage measurement up to 1000V AC + DC (400Hz max) and 1500V DC
- Voltage measurement on Variable Frequency Drive (VFD) up to 1000V
- Frequency measurement up to 2000Hz
- $\bullet$  Resistance measurement up to  $40 \text{M}\Omega$
- Capacitance measurement up to 2000µF
- Temperature measurement (thermocouple type K provided)
- Continuity measurement with buzzer
- Diode testing
- •Jaws opening: 55mm maximum
- Non contact voltage detection (Electric field detection)
- Double measurment display voltage with frequency or current
- Auto-ranging mode
- Backlighted LCD display
- 5ms crest-max capture mode
- Zero offset mode
- Automatic power-off mode
- Hold function
- LCD display 6000 counts
- Safety: 1000V AC/DC CAT IV and 1500V DC CAT III



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### Clamp-on Meter 2000A TRMS AC +DC Dedicated to the inspection of photovoltaic and industrial installations

Accuracy   SOR-2-60 Hz	Specifications	MW3518	
Range   Accuracy   SOHz-60 Hz   2001.0A   #1.00 Nr reading + Sight   5000.0A   #1.00 Nr reading + Sight   5000.0D   5000.0A   #1.00 Nr reading + Sight   5000.0D   5000.0D   5000.0D   #1.00 Nr reading + Sight   5000.0D   5000.0D			
Solit-26 Hz	· · · · · · · · · · · · · · · · · · ·	Accuracy	
290.0A	Runge		
0-900A	200.04		
500 2000A			
April			
200 A	500-2000A		
0-500A	000.04		
\$1,53			
Unspecified   Dec Current (clamp on)   Accuracy			
Accuracy			
Range		unspecified	
200 A	DC current (clamp on)		
0-500A	Range		
\$6.00	200.0A	± (2.0% reading + 5dgt)	
DC + AC current (clamp on)   Accuracy   DC,50Hz - 60Hz	0-500A	± (2.0% reading + 5dgt)	
Accuracy   DC,50Hz - 60Hz	500-2000A		
Accuracy   DC,50Hz - 60Hz	DC + ACA current (clamp on)		
DC,50Hz - 60Hz	· · · · · · · · · · · · · · · · · · ·	Accuracy	
200.0A	itunge		
40Hz-50Hz and 60Hz - 400Hz	200.04.20004		
200 0A	200.0A, 2000A		
0-1000A	200.04		
1000-2000A			
AC voltage   Solvage		<u> </u>	
Bandwith   SOUX to 400Hz   Ranges   6.000V-60.00V-600.0V 1000V   Accuracy   ± 11.2% reading + 3dgt   Impedance   10MΩ // 50pF   DC Voltage   Ranges   6.000V-60.00V-600.0V 1000V   Accuracy   ± 0.55% reading + 5dgt   Impedance   10MΩ // 50pF   Accuracy   ± 0.55% reading + 5dgt   Impedance   10MΩ // 50pF   Accuracy   ± 0.05% reading + 5dgt   Impedance   10MΩ // 50pF   Accuracy   ± 1.4% reading + 7dgt   Impedance   10MΩ // 50pF   Accuracy   ± 1.4% reading + 7dgt   Impedance   10MΩ // 50pF   Accuracy   ± 1.4% reading + 7dgt   Impedance   10MΩ // 50pF   Accuracy   10MΩ // 50pF   Accurac		unspecified	
Ranges			
# 12% reading + 3dgt) impedance	Bandwith	50Hz to 400Hz	
Impedance	Ranges	6.000V-60.00V-600.0V 1000V	
Impedance	Accuracy	± (1.2% reading + 3dgt)	
Countries   Cou			
Ranges   6.000V-60.0	,		
Accuracy   ± (0.5% reading + 5dgt)		6 000\/-60 00\/-600 0\/ 1000\/	
Impedance			
AC + DC voltage   Bandwith   SOHz to 400Hz   Ranges   6.000V-60.00V-600.0V 1000V   Accuracy   ± (1.4% reading + 7dgt)   Impedance   10MΩ // 50pF   VFD AC voltage (with low pass filter)   Range   Accuracy   6.000V-60.00V-600.0V 1000V   ± (4% reading + 80dgt)   6.000V-60.00V-60.00V 1000V   ± (2% reading + 80dgt)   6.000V-60.00V-60.00V 1000V   ± (2% reading + 80dgt)   7.00V-60.00V-60.00V 1000V   ± (2% reading + 80dgt)   8.000V-60.00V-60.00V 1000V   ± (7% reading + 80dgt)   8.000V-60.00V-60.00V 1000V   ± (7% reading + 50dgt)   8.000V-60.00V-60.00V 1000V   ± (7% reading + 50dgt)   8.000V-60.00V-60.00V 1000V   ± (1.2% reading + 5dgt)   8.000V-60.00V-60.00V 1000V   ± (1.2% reading + 5dgt)   8.000V-60.00V-60.00V 100V   ± (2.3% reading + 5dgt)   8.000V-60.00V-60.00V-60.00V   ± (2.3% reading + 5dgt)   8.000V-60.00V-6	· · · · · · · · · · · · · · · · · · ·		
Bandwith   SOHz to 400Hz	,	JOINITAL // JOHL	
Ranges   6.000V-60.00V-60.00V 1000V		E011- 4 - 40011-	
Accuracy   ± (1.4% reading + 7dgt)    Impedance			
Impedance   Comparison   Com			
VFD_AC voltage (with low pass filter)         Accuracy           Range         Accuracy           6.000V-60.00V-600.0V 1000V         ± (4% reading + 80dgt)           20Hz-200Hz         6.000V-60.00V 1000V           6.000V-60.00V-60.0V 1000V         ± (2% reading + 60dgt)           8csistance         Accuracy           600.0 kΩ         ± (0.5% reading + 50gt)           600.0 kΩ         ± (0.5% reading + 50gt)           600.0 kΩ         ± (1.2% reading + 50gt)           6.000MΩ         ± (1.2% reading + 50gt)           4.000MΩ         ± (2.3% reading + 50gt)           4.000MΩ         ± (2.3% reading + 50gt)           4.0 V         40Hz - 1999Hz           60V         40Hz - 1999Hz           60V         40Hz - 1999Hz           600V         40Hz - 1999Hz           700V         40Hz - 1999Hz           800V         40Hz - 1999Hz           100V         40Hz - 1999Hz           100V         40Hz - 1999Hz           100V         40Hz - 1999Hz			
Range   Section	Impedance	10MΩ // 50pF	
10Hz-20Hz	VFD_AC voltage (with low pass filter)		
6.000V-60.00V-60.0V 1000V	Range	Accuracy	
Content	·	10Hz-20Hz	
Content	6.000V-60.00V-600.0V 1000V	± (4% reading + 80dgt)	
6.000V-60.00V-600.0V 1000V       ± (2% reading + 60dgt)         6.000V-60.00V-600.0V 1000V       ± (7% reading + 80dgt)         Resistance       Range         600.0AC 6.000kΩ, 60.00kΩ       ± (0.5% reading + 5dgt)         600.0kΩ       ± (0.8% reading + 5dgt)         6.000MΩ       ± (1.2% reading + 5dgt)         4.000MΩ       ± (2.3% reading + 5dgt)         6V       40Hz - 1999Hz         60V       40Hz - 1999Hz         700V       40Hz - 1999Hz         80V       10 (1% reading + 4dgt)         80V       10 (1% reading + 4dgt)         80V       10 (1% reading + 4dgt)			
200Hz - 400Hz	6 000V-60 00V-600 0V 1000V		
6.000V-60.00V 1000V       ± (7% reading + 80dgt)         Resistance         8ange       Accuracy         600.0Ω-6.000kΩ, 60.00kΩ       ± (0.5% reading + 5dgt)         6.000MΩ       ± (1.2% reading + 5dgt)         4.0.00MΩ       ± (2.3% reading + 5dgt)         40.00MΩ       ± (2.3% reading + 5dgt)         40.00MΩ       † (2.3% reading + 5dgt)         40.00MΩ       ± (2.3% reading + 5dgt)         40.00MΩ       † (2.3% reading + 5dgt)         40.00MΩ       ± (2.3% reading + 5dgt)         40.00MΩ       ± (2.3% reading + 5dgt)         60V       40Hz - 1999Hz         60V       40Hz - 1999Hz         60V       40Hz - 1999Hz         400V       40Hz - 1999Hz         200A       20Hz-400Hz         Accuracy       ± (0.1% reading + 4dgt)         Non-contact EF-Detection       Bar-Graph indication         89V (tolerance : 12V - 165V)       -         77V (tolerance : 81V - 272V)       -         589V (tolerance : 178V-1000V)       -         Audible beep tones propotional to the field strength	0.000 00.00 000.0 1000		
Resistance         Accuracy           600.0Ω-6.000kΩ, 60.00kΩ         ± (0.5% reading + 5dgt)           600.0ΩΩ         ± (0.8% reading + 5dgt)           6.000MΩ         ± (1.2% reading + 5dgt)           40.00MΩ         ± (2.3% reading + 5dgt)           Hz Line Level Frequency         Range           6V         40Hz - 1999Hz           60V         40Hz - 1999Hz           60V         40Hz - 1999Hz           60V         40Hz - 1999Hz           100V         40Hz - 1999Hz           200A         20Hz-400Hz           Accuracy         ± (0.1% reading + 4dgt)           Non-contact EF-Detection         -           Typical voltage         Bar-Graph indication           89V (tolerance : 12V - 165V)         -           777V (tolerance : 81V - 272V)         -           589V (tolerance : 178V-1000V)         -           Audible beep tones propotional to the field strength	6 0001/ 60 001/ 600 01/ 40001/		
Range         Accuracy           600.0Ω-6.000kΩ, 60.00kΩ         ± (0.5% reading + 5dgt)           60.00MΩ         ± (0.8% reading + 5dgt)           6.000MΩ         ± (1.2% reading + 5dgt)           40.00MΩ         ± (2.3% reading + 5dgt)           Hz Line Level Frequency         Function         Range           6V         40Hz - 1999Hz           60V         40Hz - 1999Hz           60V         40Hz - 1999Hz           60V         40Hz - 1999Hz           60V         40Hz - 1999Hz           200A         20Hz-400Hz           Accuracy         ± (0.1% reading + 4dgt)           Non-contact EF-Detection         Typical voltage           89V (tolerance : 12V - 165V)         -           777V (tolerance : 81V - 272V)            589V (tolerance : 78V-1000V)            Audible beep tones propotional to the field strength		± 1/ /0 TEAUITY + OUUYL/	
600.ΩΩ-6.000kΩ, 60.00kΩ       ± (0.5% reading + 5dgt)         600.0kΩ       ± (0.8% reading + 5dgt)         6.000MΩ       ± (1.2% reading + 5dgt)         40.00MΩ       ± (2.3% reading + 5dgt)         Hz Line Level Frequency       Range         6V       40Hz - 1999Hz         60V       40Hz - 1999Hz         60V       40Hz - 1999Hz         60V       40Hz - 1999Hz         400V       40Hz - 1999Hz         200A       20Hz-400Hz         Accuracy       ± (0.1% reading + 4dgt)         Non-contact EF-Detection       Typical voltage         89V (tolerance : 12V - 165V)       -         777V (tolerance : 81V - 272V)       -         589V (tolerance : 178V-1000V)       -         Audible beep tones propotional to the field strength		Appure	
600.0kΩ       ± (0.8% reading + 5dgt)         6.000MΩ       ± (1.2% reading + 5dgt)         40.00MΩ       ± (2.3% reading + 5dgt)         Hz Line Level Frequency         Function       Range         6V       40Hz - 1999Hz         60V       40Hz - 1999Hz         60V       40Hz - 1999Hz         1000V       40Hz - 1999Hz         200A       20Hz-400Hz         Accuracy       ± (0.1% reading + 4dgt)         Non-contact EF-Detection       Typical voltage         89V (tolerance : 12V - 165V)       -         177V (tolerance : 81V - 272V)       -         589V (tolerance : 178V-1000V)       -         Audible beep tones propotional to the field strength			
6.000MΩ       ± (1.2% reading + 5dgt)         40.00MΩ       ± (2.3% reading + 5dgt)         Hz Line Level Frequency         Function       Range         6V       40Hz - 1999Hz         60V       40Hz - 1999Hz         60V       40Hz - 1999Hz         1000V       40Hz - 1999Hz         200A       20Hz-400Hz         Accuracy       ± (0.1% reading + 4dgt)         Non-contact EF-Detection         Typical voltage       Bar-Graph indication         89V (tolerance : 12V - 165V)       -         177V (tolerance : 81V - 272V)       -         589V (tolerance : 178V-1000V)       -         Audible beep tones propotional to the field strength			
## (2.3% reading + 5dgt)  ## Line Level Frequency Function    Range			
Hz Line Level Frequency           Function         Range           6V         40Hz - 1999Hz           60V         40Hz - 1999Hz           60V         40Hz - 1999Hz           100V         40Hz - 1999Hz           200A         20Hz-400Hz           Accuracy         ± (0.1% reading + 4dgt)           Non-contact EF-Detection         Typical voltage           89V (tolerance : 12V - 165V)         -           177V (tolerance : 81V - 272V)            589V (tolerance : 178V-1000V)            Audible beep tones propotional to the field strength			
Hz Line Level Frequency           Function         Range           6V         40Hz - 1999Hz           60V         40Hz - 1999Hz           60V         40Hz - 1999Hz           100V         40Hz - 1999Hz           200A         20Hz-400Hz           Accuracy         ± (0.1% reading + 4dgt)           Non-contact EF-Detection         Typical voltage           89V (tolerance : 12V - 165V)         -           177V (tolerance : 81V - 272V)            589V (tolerance : 178V-1000V)            Audible beep tones propotional to the field strength	40.00ΜΩ	± (2.3% reading + 5dgt)	
Function         Range           6V         40Hz - 1999Hz           60V         40Hz - 1999Hz           600V         40Hz - 1999Hz           1000V         40Hz - 1999Hz           200A         20Hz-400Hz           Accuracy         ± (0.1% reading + 4dgt)           Non-contact EF-Detection         Bar-Graph indication           89V (tolerance : 12V - 165V)         -           177V (tolerance : 81V - 272V)            589V (tolerance : 178V-1000V)            Audible beep tones propotional to the field strength	Hz Line Level Frequency		
6V 40Hz - 1999Hz 60V 40Hz - 1999Hz 600V 40Hz - 1999Hz 1000V 40Hz - 1999Hz 1000V 40Hz - 1999Hz 200A 20Hz-400Hz Accuracy ± (0.1% reading + 4dgt) Non-contact EF-Detection Typical voltage Bar-Graph indication 89V (tolerance : 12V - 165V) 177V (tolerance : 81V - 272V) 589V (tolerance : 178V-1000V) 589V (tolerance : 178V-1000V) Audible beep tones propotional to the field strength	· · · · · · · · · · · · · · · · · · ·	Range	
60V     40Hz - 1999Hz       600V     40Hz - 1999Hz       1000V     40Hz - 1999Hz       200A     20Hz-400Hz       Accuracy     ± (0.1% reading + 4dgt)       Non-contact EF-Detection       Typical voltage     Bar-Graph indication       89V (tolerance : 12V - 165V)     -       177V (tolerance : 81V - 272V)        589V (tolerance : 178V-1000V)        Audible beep tones propotional to the field strength			
600V     40Hz - 1999Hz       1000V     40Hz - 1999Hz       200A     20Hz-400Hz       Accuracy     ± (0.1% reading + 4dgt)       Non-contact EF-Detection       Typical voltage     Bar-Graph indication       89V (tolerance : 12V - 165V)     -       177V (tolerance : 81V - 272V)        589V (tolerance : 178V-1000V)        Audible beep tones propotional to the field strength			
1000V         40Hz - 1999Hz           200A         20Hz-400Hz           Accuracy         ± (0.1% reading + 4dgt)           Non-contact EF-Detection           Typical voltage         Bar-Graph indication           89V (tolerance : 12V - 165V)         -           177V (tolerance : 81V - 272V)            589V (tolerance : 178V-1000V)            Audible beep tones propotional to the field strength			
200A         20Hz-400Hz           Accuracy         ± (0.1% reading + 4dgt)           Non-contact EF-Detection         Bar-Graph indication           Typical voltage         Bar-Graph indication           89V (tolerance : 12V - 165V)         -           177V (tolerance : 81V - 272V)            589V (tolerance : 178V-1000V)            Audible beep tones propotional to the field strength			
Accuracy ± (0.1% reading + 4dgt)  Non-contact EF-Detection  Typical voltage Bar-Graph indication  89V (tolerance : 12V - 165V) -  177V (tolerance : 81V - 272V) -  589V (tolerance : 178V-1000V) -  Audible beep tones propotional to the field strength			
Non-contact EF-Detection Typical voltage  89V (tolerance : 12V - 165V)  777V (tolerance : 81V - 272V)  89V (tolerance : 178V-1000V)   Audible beep tones propotional to the field strength			
Typical voltage  89V (tolerance : 12V - 165V)		± (U.1% reading + 4dgt)	
89V (tolerance : 12V - 165V)			
177V (tolerance : 81V - 272V) 589V (tolerance : 178V-1000V) Audible beep tones propotional to the field strength		Bar-Graph indication	
177V (tolerance : 81V - 272V) 589V (tolerance : 178V-1000V) Audible beep tones propotional to the field strength	89V (tolerance : 12V - 165V)	-	
589V (tolerance : 178V-1000V)  Audible beep tones propotional to the field strength	177V (tolerance : 81V - 272V)		
Audible beep tones propotional to the field strength			
Detection Frequency : 50/60Hz			





# MW3518



### Clamp-on Meter 2000A TRMS AC +DC Dedicated to the inspection of photovoltaic and industrial installations

Specifications	MW3518
Continuity	
with buzzer at between $10\Omega$ and $200\Omega$	
Response time : 32ms approx	
Capacitance	
Range	Accuracy
60.00 nF, 600.0 nF, 6.000µF	± (2.0% reading + 5dgt)
60.00μF, 600.0μF	± (3.5% reading 5dgt)
2000μF	± (4.0% reading + 5dgt)
Diode tester	
Range	Accuracy
1.000V	± (1.0% reading + 3dgt)
Temperature	
Range	Accuracy
-50°C - 1000°C	± (0.3% reading + 4dgt)
-58°F - 1832°F	± (0.3% reading + 6dgt)
K-type thermocouple range and accuracy not incl	uded
MAIN SPECIFICATIONS	
Digital display	LCD screen
Display	6000 counts for main measurement display and 2000 counts for Hz
Jaws Opening	55mm max
Measurement rate	5 measurement/s
Automatic power-off	after 34 minutes
Operating Temperature	0°C to 40°C
Storage temperature	-20°C to 60°C < 80% R.H
Altitude	Operating below 2000m
Safety	CAT IV 1000V AC/DC and CAT III 1500V DC
Power supply	2 batteries 1,5V AA
Power consumption	14 mA for current functions and 5.2mA for others
Dimensions	L264mm x W97mm x H43mm
Weight	608g
Warranty	1 year

Supplied with: soft carrying pouch, test leads with touch point, user's guide, batteries, thermocouple K-type banana plug.



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