

Product Datasheet - Technical Specifications



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Your contact

Technical and commercial sales, price information, quotations, demo/test equipment, consulting:

Tel.: +49 - (0)81 41 - 52 71-0

E-Mail: sales@meilhaus.com

Meilhaus Electronic GmbH Am Sonnenlicht 2

82239 Alling/Germany Mail sales@meilhaus.com Mentioned company and product names may be registered trademarks of the respective companies. Errors and omissions excepted. © Meilhaus Electronic.

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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.

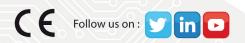
Also featuring advanced functions such as frequency measurement, resistance measurement up to $40M\Omega$, capacitance measurement up to 2000μ F or temperature measurement, it will answer to all your controls or troubleshooting needs.

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
- Resistance measurement up to $40M\Omega$
- 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 50Hz-60 Hz
50Hz-60 Hz
\pm (2.0% reading + 5dgt)
± (2.5% reading + 5dgt)
\pm (3.0% reading + 5dgt)
40Hz-50Hz and 60Hz - 400Hz
± (2.5% reading + 5dgt)
\pm (3.0% reading + 5dgt)
± (3.5% reading + 5dgt)
unspecified
Accuracy
Accuracy
± (2.0% reading + 5dgt)
\pm (2.0% reading + 5dgt)
± (3.0% reading + 5dgt)
Accuracy
DC,50Hz - 60Hz
± (3.0% + 8dgt)
40Hz-50Hz and 60Hz - 400Hz
$\pm (3.5\% + 8dgt)$
± (3.5% + 8dgt)
unspecified
50Hz to 400Hz
6.000V-60.00V-600.0V 1000V
\pm (1.2% reading + 3dgt)
10MΩ // 50pF
10M2277 50pr
6.000V-60.00V-600.0V 1000V
± (0.5% reading + 5dgt)
10MΩ // 50pF
5011-1-10011-
50Hz to 400Hz
6.000V-60.00V-600.0V 1000V
± (1.4% reading + 7dgt)
10MΩ // 50pF
Accuracy
Accuracy
10Hz-20Hz
± (4% reading + 80dgt)
20Hz-200Hz
\pm (2% reading + 60dgt)
200Hz - 400Hz
\pm (7% reading + 80dgt)
Accuracy
\pm (0.5% reading + 5dgt)
\pm (0.8% reading + 5dgt)
± (1.2% reading+ 5dgt)
± (2.3% reading + 5dgt)
Range
40Hz - 1999Hz
40Hz - 1999Hz
40Hz - 1999Hz
40Hz - 1999Hz
20Hz-400Hz
\pm (0.1% reading + 4dgt)
Bar-Graph indication
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Clamp-on Meter 2000A TRMS AC +DC Dedicated to the inspection of photovoltaic and industrial installations

Specifications	MW3518
Continuity	
with buzzer at between 10Ω and 200Ω	
Response time : 32ms approx	
Capacitance	
Range	Accuracy
60.00 nF, 600.0 nF, 6.000µF	\pm (2.0% reading + 5dgt)
60.00µF, 600.0µF	± (3.5% reading 5dgt)
2000µF	\pm (4.0% reading + 5dgt)
Diode tester	
Range	Accuracy
1.000V	± (1.0% reading + 3dgt)
Temperature	
Range	Accuracy
-50°C - 1000°C	\pm (0.3% reading + 4dgt)
-58°F - 1832°F	\pm (0.3% reading + 6dgt)
K-type thermocouple range and accuracy not inclue	ded land the second
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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MW3518 A 00 - Specifications can be updated without notice