



CMP-2000

DIGITAL CLAMP-ON MULTIMETER

- AC current measurement (TRUE RMS) up to 1500 A and DC up to 2000 A.
- Measurement of INRUSH current in start-up phase of electrical device.
- AC voltage measurement (TRUE RMS) up to 750 V and DC up to 1000 V.
- Resistance measurement and continuity test:
-continuity test with acoustic signalling (beeper) for resistance below 30 Ω.
- Capacitance measurement.
- Temperature measurement (Fahrenheit or Celsius).
- Frequency measurement.
- Duty cycle measurement.
- Diode test.



Standard accessories:

- test leads (2 pcs.)
- 9 V battery
- K type temperature probe

- case
- calibration certificate
- user manual

WAFUTLM3



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- Measurement of INRUSH current in start-up phase of electrical device.
- AC voltage measurement (TRUE RMS) up to 750 V and DC up to 1000 V.
- Resistance measurement and continuity test:
-continuity test with acoustic signalling (beeper) for resistance below 30 Ω.
- Capacitance measurement
- Temperature measurement (Fahrenheit or Celsius).
- Frequency measurement.
- Duty cycle measurement.
- Diode test.
- Additionally:
- safe, insulated measuring clamp,
- autoranging,
- „DATA HOLD“ function, for holding measured values,
- backlit LCD,
- „DC ZERO“ mode of measurement for DC current, possibility to zero the display and reading relative actual value less stored „zero“ value,
- „MAX/MIN“ function,
- over range indication,
- „AUTO-OFF“ function after 30min.

DC current measurement

Range	Resolution	Accuracy
0,0...659,9 A	0,1 A	±(2,0% m.v. + 5 digits)
660...2000 A	1 A	±(3,0% m.v. + 5 digits) for 660...1000 A ±(5,0% m.v. + 5 digits) for 1000...2000 A

AC current measurement (TRUE RMS)

Range	Resolution	Accuracy
0,0...659,9 A	0,1 A	±(2,0% m.v. + 10 digits) for 50...60 Hz ±(3,0% m.v. + 10 digits) for 61...400 Hz
660...1500 A	1 A	±(2,5% m.v. + 10 digits) for 50...60 Hz and 660...1000 A ±(3,5% m.v. + 10 digits) for 61...400 Hz and 660...1000 A ±(5,0% m.v. + 10 digits) for 50...400 Hz and 1000...1500 A

DC voltage measurement

Range	Resolution	Accuracy
0,000...6,599 V	0,001 V	
6,60...65,99 V	0,01 V	
66,0...659,9 V	0,1 V	
660...1000 V	1 V	

AC voltage measurement (true RMS)

Range	Resolution	Accuracy
0,000...6,599 V	0,001 V	
6,60...65,99 V	0,01 V	
66,0...659,9 V	0,1 V	
660...750 V	1 V	

Resistance measurement

Range	Resolution	Accuracy
0,0...659,9 Ω	0,1 Ω	
0,660...6,599 kΩ	0,001 kΩ	
6,60...65,99 kΩ	0,01 kΩ	±(1,0% m.v. + 5 digits)
66,0...659,9 kΩ	0,1 kΩ	
0,660...6,599 MΩ	0,001 MΩ	±(2,0% m.v. + 5 digits)
66,0...66,00 MΩ	0,01 MΩ	±(3,5% m.v. + 5 digits)

„m.v.“ - measured value

Capacitance measurement

Range	Resolution	Accuracy
0,0...6,599 nF	0,001 nF	±(3,0% m.v. + 30 digits)
6,60...65,99 nF	0,01 nF	±(3,0% m.v. + 10 digits)
66,0...559,9 nF	0,1 nF	±(3,0% m.v. + 30 digits)
6,600...59,999 μF	0,001 μF	
66,00...659,99 μF	0,01 μF	
660...659,999 μF	0,100 μF	
0,660...6,600 mF	0,001 mF	

Frequency measurement

Range	Resolution	Accuracy
10...65,99 Hz	0,01 Hz	
66,0...659,9 Hz	0,1 Hz	
0,660...6,599 kHz	0,001 kHz	
6,60...65,99 kHz	0,01 kHz	
66,0...659,9 kHz	0,1 kHz	
0,660...1,000 MHz	0,001 MHz	

Temperature measurement

Range	Resolution	Accuracy
-20...0 °C		±(2,0% m.v. + 3 °C)
0...399 °C	1 °C	±(1,0% m.v. + 2 °C)
400...1000 °C		±(2,0% m.v. + 3 °C)
-4...31 °F		±(2,0% m.v. + 6 °F)
32..749 °F	1 °F	±(1,0% m.v. + 4 °F)
750...1832 °F		±(2,0% m.v. + 6 °F)

Duty cycle measurement

Range	Resolution	Accuracy
5...95%	0,1%	±(2,0% m.v. + 10 digits)

• frequency range: 40 Hz...20 kHz.

Electric security:

- measurement category
- protection class acc. to EN 60529

CAT IV 600 V acc. to EN 61010-1
IP20

Other technical data:

- power supply
- display
- continuity test
- diode test
- low battery indication
- over range indication
- temperature sensor
- input impedance
- AC bandwidth
- auto power OFF
- dimensions
- weight
- accordance with following standards
EN 61010-1
EN 61010-2-032

Rated operational conditions:

- able to open the clamp:
- operating temperature
0...+50 °C
- storage temperature
-20...+60 °C
- operating altitude
max 2000m

Additional equipment of CMP-2000:

- AC line splitter (AC-16)

WAADAAC16

