



Digital clamp meter CMP-403 / 402

index: WMGBCMP403 / WMGBCMP402

INRUSH CURRENT

CAT III
600 V

CAT II
1000 V

IP30

BUILT-IN FLASHLIGHT



Modern clamp

The innovative shape means easier access in hard to reach and tight places. The clamp edging is equipped with a contactless voltage indicator sensor.



Visibility in any conditions

Darkness in the workplace is not a problem thanks to the built-in flashlight.



Multifunctional

The device is versatile due to many measurement options. In addition to the basic measurements, the instrument has special functions, including inrush current (INRUSH), max / min peak values (Peak MAX/ Peak MIN), relative value (REL).



Measurement of converters

The meter provides precise measurements **downstream of frequency converters** thanks to the **VFD** function.



Robust design

With the help of the latest technologies, a compact instrument for working in the toughest conditions has been created. The rubber housing protects the device against accidental damage.



Photovoltaics under close control

The AHV-3 adapter is used to measure high DC voltages (**up to 3000 V DC**) in collaboration with a master meter.

Technical specifications

Measurement functions	Range	Resolution	Accuracy ±(% m.v. + digits)
AC current	up to 400.0 A	from 0.01 A	from ±(2.0% m.v. + 8 digits)
CMP-403 DC current	up to 400.0 A	from 0.01 A	from ±(2.0% m.v. + 8 digits)
AC and VFD voltage	up to 1000 V	from 0.001 V	from ±(1.2% m.v. + 5 digits)
DC voltage	up to 1000 V	from 0.001 V	from ±(1.0% m.v. + 3 digits)
Resistance	up to 40.00 MΩ	from 0.1 Ω	from ±(1.0% m.v. + 4 digits)
Frequency			
current	up to 999.9 Hz	from 0.01 Hz	±(1.0% m.v. + 5 digits)
voltage	up to 99.99 kHz	from 0.01 Hz	±(1.0% m.v. + 5 digits)
Capacitance	up to 99.99 mF	from 0.001 nF	from ±(3.0% m.v. + 5 digits)
Duty cycle (%)	20.0...80.0%	0.1%	±(1.2% m.v. + 10 digits)
Temperature measurement	-20.0...+1000°C -4.0...+1832°F	0.1°C 0.1°F	±(3% m.v. + 3°C) ±(3% m.v. + 5°F)
Continuity / Diode test	✓ / ✓		
Basic features			
Counting		4.000 digits	
HOLD		✓	
Automatic range selection		✓	
Advanced features			
Current and voltage measurements downstream the inverter, frequency converter or in the VFD system		✓	
Inrush current		✓	
Non-contact voltage detector		✓	
Peak MIN / Peak MAX		✓ / ✓	
Relative measurement REL		✓	
TRMS measurement		✓	
Other features			
Auto-off		✓	
Battery indication		✓	
Integrated flashlight		✓	
Beeper		✓	
Display			
Type		segment-based LCD, 4 digits	
Display backlight		manual	
Safety and conditions for use			
Measuring category (EN 61010)		CAT III 600 V CAT II 1000 V	
Ingress protection		IP30	
Dimensions		220 x 80 x 39 mm 8.7" x 3.1" x 1.5"	
Operating temperature		5...40°C 41...104°F	
Storage temperature		-20...+60°C -4...140°F	

m.v. - measured value

Standard accessories



**Set of test leads
CAT IV, S**
WAPRZCMM1



**Temperature
measurement**

Probe (K-type)
WASONTEMK

Adapter
WAADATEMK



**3x LR03 AAA
1,5 V battery**



Basic case



**Factory calibration
certificate**

Optional accessories



**Test lead 2 m
with 10 A fuse
CAT IV 1000 V
black / blue / green
/ red / yellow**

WAPRZ002BLBBF10
WAPRZ002BUBBF10
WAPRZ002GRBBF10
WAPRZ002REBBF10
WAPRZ002YEBBF10

+



**Pin probe (banana
socket) red / blue
/ yellow / black
B1 / black B3**

WASONREOGB1
WASONBUOGB1
WASONYEOGB1
WASONBLOGB1
WASONBLOGB3



**Crocodile clip
red / blue / yellow
/ black**

WAKRORE20K02
WAKROBU20K02
WAKROYE20K02
WAKROBL20K01



**Test lead with probe
for CMM/CMP (set)**
WAPRZCMP1



**Set of test leads
CAT IV, M**
WAPRZCMM2



**Set of test leads
CAT IV, M**
WAPRZCMP2



**Set of test leads
for CMM/CMP**
WAPRZCMX1



AHV-3 adapter
WAADAHV3



**AC-16 line splitter
(facilitates current
measurements)**
WAADAAC16



**Crocodile clip mini,
1 kV 10 A (set)**
WAKROKPL10MINI



M13 carrying case
WAFUTM13



**Temperature
measurement**

probe (K-type, bayonet)
WASONTEMP

probe (K-type, metal)
WASONTEMK2



**Calibration certificate
with accreditation**