



Digital clamp meter for photovoltaic installations

CMP-1015-PV

index: WMGBCMP1015PV



Modern clamp

The innovative shape means easier access in hard to reach and tight places, as the basis for mounting special voltage adapters. The clamp edging is equipped with a contactless voltage indicator sensor.



Visibility in any conditions

Working in full sun is not difficult thanks to the high-brightness display. 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 a **recorder with graphs**, as well as special functions, including inrush current (INRUSH), AC and DC voltage components, low-impedance voltage measurement (Low Z).



Voltage measurement up to 3000 V DC

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



Photovoltaics under close control

The device is dedicated to measure DC current and voltage in photovoltaic installations with voltages of 1500 V. The meter also provides precise measurements **downstream of frequency converters** thanks to the VFD function.



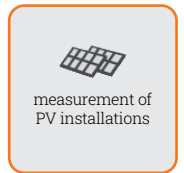
Robust design

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.



Wireless communication

Transfer measurement data via Bluetooth, in "live" mode to the **Sonef Multimeter Mobile** application. This allows to record and store the results and include additional description or photos. You can also share measurement data as an e-mail attachment.



measurement of PV installations



HVDC



RECORDER



INRUSH CURRENT



CAT IV



600 V



CAT III



1000 V



IP40



BUILT-IN FLASHLIGHT



BLUETOOTH

Technical specifications

Measurement functions	Range	Resolution	Accuracy ±(% m.v. + digits)
AC current	up to 1000 A	from 0.01 A	±(2.5% m.v. + 5 digits)
DC current	up to 1000 A	from 0.01 A	±(2.0% m.v. + 8 digits)
AC voltage	up to 1000 V	from 0.001 mV	from ±(1.2% m.v. + 5 digits)
DC voltage	up to 1500 V	from 0.1 mV	from ±(0.5% m.v. + 5 digits)
AC+DC voltage	up to 1000 V	from 0.001 V	from ±(1.5% m.v. + 20 digits)
Low Z (AC / DC voltage)	up to 1000 V	from 0.001 V	±(3.0% m.v. + 40 digits)
Low Z AC+DC	up to 1000 V	from 0.001 V	±(3.5% m.v. + 40 digits)
Resistance	up to 60.00 MΩ	from 0.1 Ω	from ±(0.8% m.v. + 5 digits)
Frequency	up to 10.00 MHz	from 0.01 Hz	±(0.2% m.v. + 5 digits)
Capacitance	up to 100.0 mF	from 0.01 nF	from ±(3.0% m.v. + 8 digits)
Duty cycle (%)	10.0...90.0%	0.1%	±(1.2% m.v. + 8 digits)
Temperature measurement	-40.0...+1000°C -40.0...+1832°F	0.1°C 0.1°F	±(1.5% m.v. + 3°C) ±(1.0% m.v. + 5.4°F)
Continuity / Diode test	✓ / ✓		
Basic features			
Counting		6.000 digits	
HOLD		✓	
Automatic range selection		✓	
Advanced features			
Current and voltage measurements downstream the inverter, frequency converter or in the VFD system		✓	
High voltage DC measurement (HVDC)		✓	
Inrush current		✓	
Non-contact voltage detector		✓	
MIN / MAX		✓ / ✓	
PEAK HOLD		✓	
Relative measurement REL		✓	
TRMS measurement		✓	
Memory			
internal		measurements: 128 results	
external		recorder: 16 recordings, 100 000 points, sampling frequency: from 1 Hz	
		in mobile application	
Bluetooth communication		✓	
Other features			
Auto-off		✓	
Battery indication		✓	
Integrated flashlight		✓	
Beeper		✓	
Display			
Type		graphical LCD	
Display backlight		✓	
Safety and conditions for use			
Measuring category (EN 61010)		CAT IV 600 V CAT III 1000 V	
Ingress protection		IP40	
Dimensions		273 x 96 x 48 mm 10.7" x 3.8" x 1.9"	
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, M**
WAPRZCMP2



**Temperature
measurement**

Probe (K-type)
WASONTEMK

Adapter
WAADATEMK



**Li-Pol 7.4 V
1200 mAh
rechargeable
battery**
WAAKU30



Charger
WAZASZ25



**Battery charger
power supply**
WAZASZ26



Carrying case
WAWALM3



**Factory calibra-
tion 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



**AHV-3
voltage
adapter**
WAADAHV3

+



**Mounting adapter
for AHV-3**
WAPOZUCH13



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



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



**Temperature
measurement**

probe (K-type, bayonet)
WASONTEMP

probe (K-type, metal)
WASONTEMK2



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



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



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



M13 carrying case
WAFUTM13



**Calibration cer-
tificate with
accreditation**