



Digital clamp meter for photovoltaic installations

CMP-1015-PV

CMP-1015-PV Pro | index: WMGBCMP1015PVPRO
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.



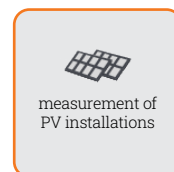
Robust design

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 **Soneel 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.



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 V	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	0.1°C	±(1.5% m.v. + 3°C)
	-40.0...+1832°F	0.1°F	±(1.0% m.v. + 5.4°F)
Continuity / Diode test	✓ / ✓		

Basic features

Counting	6000 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 recorder: 16 recordings, 100 000 points, sampling frequency: from 1 Hz
external	in mobile application

Bluetooth communication

	✓
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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 CAT III 3000 V DC (only with AHV-3 adapter)
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

Standard accessories

		CMP-1015-PV Pro	CMP-1015-PV
		WMGBCMP1015PVPRO	WMGBCMP1015PV
	AHV-3 voltage adapter WAADAAHV3	1	
	Mounting adapter for AHV-3 WAPOZUCH13	1	
	Set of test leads CAT IV, M WAPRZCMP2	1	1
	Type K temperature probe WASONTEMK	1	1
	Temperature probe type K adapter WAADATEMK	1	1
	Li-Pol 7.4 V 1200 mAh rechargeable battery WAAKU30	1	1
	Charger WAZASZ25	1	1
	Battery charger power supply WAZASZ26	1	1
	L-13 carrying case WAWALL13	1	
	M-3 carrying case WAWALM3		1
	Factory calibration certificate	1	1



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



M13 carrying case

WAFUTM13

CMP-1015-PV



**AHV-3
voltage
adapter**

WAADAHV3

+



**Mounting adapter
for AHV-3**

WAPOZUCH13



**Temperature
measurement**

probe (K-type, bayonet)
WASONTEMP

probe (K-type, metal)
WASONTEMK2



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

WAADAAC16



**Calibration cer-
tificate with
accreditation**



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

WAKROKPL10MINI



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

WAPRZCMM1



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

WAPRZCMM2



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

WAPRZCMP1