



### 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.



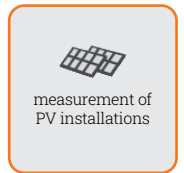
### Robust design

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 and from internal memory 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.



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	✓ / ✓		
<b>Basic features</b>			
Counting		6.000 digits	
HOLD		✓	
Automatic range selection		✓	
<b>Advanced features</b>			
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		✓	
<b>Other features</b>			
Auto-off		✓	
Battery indication		✓	
Integrated flashlight		✓	
Beeper		✓	
<b>Display</b>			
Type		graphical LCD	
Display backlight		✓	
<b>Safety and conditions for use</b>			
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)**  
WAAAAC16



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



**M13 carrying case**  
WAFUTM13



**Calibration cer-  
tificate with  
accreditation**