



- CAT III**  
1000 V
- CAT IV**  
600 V
- IP67**

## The most useful multimeter for industrial and service works

### 12 measuring functions

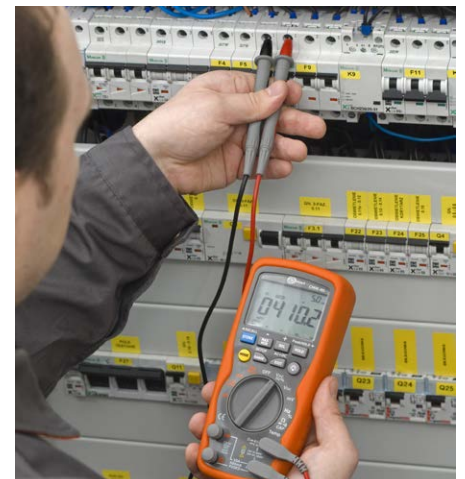
- DC and AC (TRUE RMS) voltage
- DC and AC (True RMS) current
- resistance
- frequency
- duty cycle
- capacitance
- current loop 4-20 mA
- continuity
- diode test
- temperature

### Special features

- MAX and MIN function for saving extreme values
- AC+DC function for reading the sum of an alternating and direct component
- REL mode for relative measurement to a stored reference value
- PEAK Hold for displaying the peak value of the measured parameter

### Application areas

- best option for professional and industrial electricians thanks to the robust design and safety on the CAT IV 600 V level
- dirty and dusty environment will not be an obstacle thanks to ingress protection on IP67 level
- HVACR specialist and utility technicians they will be grateful for the help the device gives them



# Technical specification

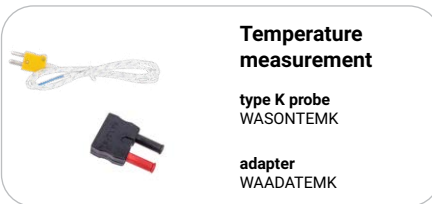
Measurement functions	Range	Resolution	Accuracy ±(% m.v. + digits)
AC / DC voltage	up to 1000.0 V	from 0.01 mV	from ±(1.0% m.v. + 30 digits) for AC from ±(0.06% m.v. + 4 digits) for DC
AC / DC current	up to 10.000 A	from 0.01 µA	±(1% m.v. + 3 digits) for AC ±(1.5% m.v. + 30 digits) for DC
Resistance	up to 40.000 MΩ	from 0.01 Ω	from ±(0.3% m.v. + 4 digits)
Frequency	up to 100.00 MHz	from 0.001 Hz	from ±(0.1% m.v. + 1 digit)
Capacitance	up to 40.000 mF	from 0.001 nF	from ±(3.5% m.v. + 10 digits)
Temperature	-50.0...+1200.0°C -58.0...+2192.0°F	0.1°C 0.1°F	±(1% m.v. + 2.5°C) ±(1% m.v. + 2.5°F)
Duty cycle (%)	0.10...99.00%	0.01%	±(1.2% m.v. + 2 digits)
Current loop 4-20 mA	-25.00...125.00%	0.01%	±50 digits
<b>Basic features</b>			
Counting		40.000	
Manual / automatic range selection		✓ / ✓	
HOLD function		✓	
Relative measurement		✓	
MAX / MIN measurement		✓ / ✓	
Beeper - continuity buzzer		✓	
Diode test		✓	
<b>Advanced features</b>			
TRMS measurement		✓	
AC+DC measurements		✓	
Peak HOLD function		✓	
Device memory		✓	
Limit LOW / HIGH		✓ / ✓	
<b>Other features</b>			
Easy access to A / mA fuses		✓ / ✓	
Auto-off		✓	
Battery indication		✓	
Type of display		segment with backlit, 4 ¾ digits	
<b>Safety and conditions for use</b>			
Measuring category (EN 61010)		CAT IV 600 V / CAT III 1000 V	
Ingress protection		IP67	
Internal impedance		>10 MΩ (V DC) / >9 MΩ (V AC)	
Dimensions		187 x 81 x 55 mm	
Weight		342 g	
Operating temperature		0...40°C	
Storage temperature		-20...+60°C	

Abbreviation „m.v.“ used in the specification of measurement means a measured value.

## Standard accessories



**Test leads set for CMM (CAT IV, M)**  
WAPRCMM2



**Temperature measurement**  
type K probe  
WASONTEMK  
adapter  
WAADATEMK



**2x watertight socket protection plug**



**Standard carrying case**



**Calibration certificate**

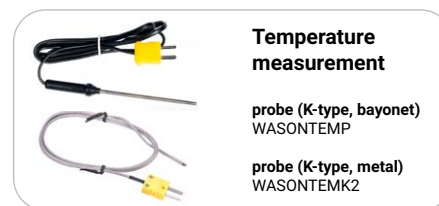


**User manual**

## Optional accessories



**Set of test leads for CMM**  
for CMM/CMP  
WAPRCMP1  
CAT IV, S  
WAPRCMM1



**Temperature measurement**  
probe (K-type, bayonet)  
WASONTEMP  
probe (K-type, metal)  
WASONTEMK2



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



**M13 carrying case**  
WAFUTM13



**Calibration certificate issued by an accredited laboratory**

## Check other meters from the CMM family



**Sonel CMM-10**

- intuitive
- clear reading
- safe and economical
- the basic measuring device



**Sonel CMM-11**

- durable
- versatile
- pocket
- for every electrician



**Sonel CMM-30**

- accurate
- handy
- broadened functionality
- for the industry



**Sonel CMM-60**

- ultra-durable
- multi-purpose
- for special applications
- advanced troubleshooting

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