

The most useful multimeter for industrial and service works


CAT III
1000 V
CAT IV
600 V
IP67

12 measuring functions

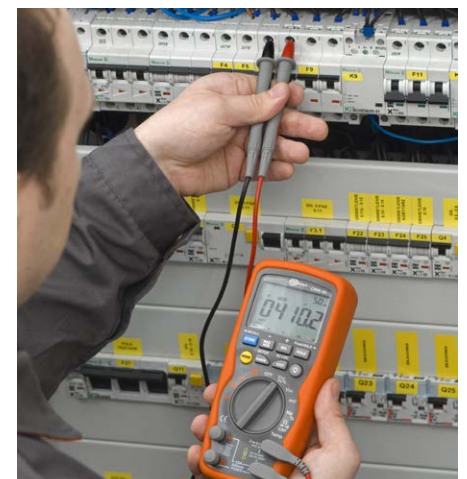
- DC and AC (TRUE RMS) voltage
- DC and AC (True RMS) current
- resistance
- frequency
- duty cycle
- capacitance
- current loop 4-20 mA
- continuity
- diode test
- temperature

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 measurement	-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
Continuity / Diode test	✓ / ✓		

Basic features

Counting	40.000
HOLD function	✓
Manual / automatic range selection	✓ / ✓

Advanced features

MAX / MIN measurement	✓ / ✓
AC+DC measurements	✓
Peak HOLD function	✓
Relative measurement REL	✓
TRMS measurement	✓
Device memory	✓
Limit LOW / HIGH	✓ / ✓

Other features

Easy access to A / mA fuses	✓ / ✓
Auto-off	✓
Battery indication	✓
Beeper - continuity buzzer	✓

Display

Type	segment
Display backlight	✓

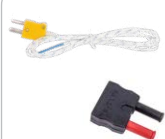
Safety and conditions for use

Measuring category (EN 61010)	CAT IV 600 V / CAT III 1000 V
Ingress protection	IP67
Dimensions	187 x 81 x 55 mm 7.4" x 3.2" x 2.2"
Weight	342 g 0.75 lbs
Operating temperature	0...40°C 32...104°F
Storage temperature	-20...+60°C -4...140°F

Standard accessories



Test leads set for CMM (CAT IV, M)
WAPRZCMM2



Temperature measurement

Probe (K-type)
WASONTEMK

Adapter
WAADATEMK



2x watertight socket protection plug



Standard carrying case



Factory calibration certificate

Optional accessories



Set of test leads for CMM

for CMM/CMP
WAPRZCMP1

CAT IV, S
WAPRZCMM1



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 with accreditation

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