

# Industrial Multimeter CMM-30

index: WMXXCMM30

## CAT III 1000 V















#### **Wireless communication**

Transfer measurement data via Bluetooth, in "live" mode, to the **Sonel 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.



#### Safety and comfort

Sonel CMM-30 meets the safety requirements of CAT III 1000 V / CAT IV 600 V. The ergonomic housing provides a firm grip and convenient function selection – also in protecting gloves.



#### Visibility in all conditions

Darkness at the workplace is not an issue thanks to the built-in flashlight. Automatic backlight of the display, buttons and rotary switch enables to carry out measurements in all lighting conditions.



#### Unique design

Using the latest technologies, we have created a compact device for working in the toughest conditions. The rubber housing reduces the effects of liquid pollution and falls (IP67 ingress protection).





#### Multifunctionality

CMM-30 multimeter provides unique versatility with its 11 basic measurement functions and additional features, including relative measurement, measurement of minimum, maximum and average values or peak value measurement.

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| Technical specifications ——        |                                |                | Acquirect                                |
|------------------------------------|--------------------------------|----------------|--|
| Measurement functions              | Range                          | Resolution     | Accuracy<br>±(% m.v. + digits)           |
| AC voltage                         | up to 1000 V                   | from 0.001 V   | from ±(1.0% m.v. + 5 digits              |
| DC voltage                         | up to 1000 V                   | from 0.1 mV    | from ±(0.5% m.v. + 8 digits              |
| AC / DC current                    | up to 10.00 A                  | from 0.1 μA    | from ±(1.0% m.v. + 3 digits              |
| Resistance                         | up to 60.00 MΩ                 | from 0.1 Ω     | from ±(1.5% m.v. + 5 digits              |
| Low Z (AC / DC voltage)            | up to 1000 V                   | from 0.001 V   | from ±(3.0% m.v. + 5 digits)             |
| Frequency                          | up to 9.999 kHz                | from 0.001 Hz  | ±(1.0% m.v. + 5 digits)                  |
| Capacitance                        | up to 6000 μF                  | from 0.01 nF   | from ±(3.0% m.v. + 5 digits              |
| Duty cycle (%)                     | 20.080.0%                      | 0.1%           | ±(1.2% m.v. + 2 digits)                  |
| Temperature measurement            | -20+760°C<br>-4+1400°F         | 0.1°C<br>0.1°F | ±(1.0% m.v. + 5°C)<br>±(1.0% m.v. + 9°F) |
| Continuity / Diode test            | <b>√</b> / <b>√</b>            |                |  |
| Basic features                     |                                |                |  |
| Counting                           | 6000 digits                    |                |  |
| HOLD                               | ✓                              |                |  |
| Manual / automatic range selection | <b>√</b> /√                    |                |  |
| Advanced features                  |                                |                |  |
| MIN / MAX / AVG                    | J/J/J                          |                |  |
| AC+DC measurement                  | ✓                              |                |  |
| PEAK HOLD                          | ✓                              |                |  |
| Relative measurement REL           | ✓                              |                |  |
| TRMS measurement                   | ✓                              |                |  |
| Memory                             | in mobile application          |                |  |
| Bluetooth communication            | ✓                              |                |  |
| Other features                     |                                |                |  |
| Easy access to A / mA fuses        | <b>√</b> /√                    |                |  |
| Auto-off                           | ✓                              |                |  |
| Empty battery indication           | ✓                              |                |  |
| Integrated flashlight              | ✓                              |                |  |
| Beeper                             | ✓                              |                |  |
| Display                            |                                |                |  |
| Туре                               | segment-based LCD, 4 digits    |                |  |
| Display backlight                  | automatic and manual           |                |  |
| Safety and conditions for use      |                                |                |  |
| Measuring category (EN 61010)      | CAT IV 600 V<br>CAT III 1000 V |                |  |
| Ingress protection                 | IP67                           |                |  |
| Dimensions                         | 170 x 75 x 48 mm               |                |  |
| Operating temperature              | 040°C                          |                |  |
| Storage temperature                |                                | -20+60°C       |  |

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### Standard accessories



Set of test leads for CMM (CAT IV, M)

WAPRZCMM2



**Temperature** measurement

Probe (K-type) WASONTEMK

**Adapter** WAADATEMK



2x watertight socket protection plug

4x LR03 AAA 1.5 V battery



Standard carrying case



Calibration certificate



**User manual** 

### **Optional accessories**



#### Set of test leads

CAT IV, S (for CMM) WAPRZCMM1

CAT IV (for CMP) WAPRZCMP1



#### **Temperature** measurement

Probe (K-type, bayonet) WASONTEMP

Probe (K-type, metal) WASONTEMK2



Crocodile clip mini, 1 kV 10 A (set)

WAKROKPL10MINI



M1 hanging hook straps

WAPOZUCH1



Universal magnetic hanging strap

WAPOZUCH6



S1 carrying case

WAFUTS1



Calibration certificate issued by an accredited laboratory

### Check other meters from the CMM family



**Sonel CMM-10** WMXXCMM10

- · intuitive
- clear reading
- safe and economicalbasic measuring device



**Sonel CMM-11** WMXXCMM11

- durable
- versatile
- pocketfor every electrician



**Sonel CMM-60** WMXXCMM60

- · ultra-durable
- multi-purpose
- for special applicationsadvanced troubleshooting



**Sonel CMM-40** WMXXCMM40

- precise
- handy
- extended functionalityfor industry

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