

- CAT III**
- 600 V**
- IP65**
- BUILT-IN FLASHLIGHT**
- BLUETOOTH**



**Extremely durable and robust**

In response to the needs of our customers, we have made the CMM-11 device resistant to accidental impacts that can lead to unit damage. The elastomer material used in the housing protects the unit if it is dropped and absorbs the shocks caused by such impacts.



**Good visibility in any conditions**

Insufficient lighting where the measurements are being taken is not an obstacle anymore thanks to the integrated flashlight.



**Protection against dust penetration and streams of water**

The housing has been designed for use in the field. The IP65 degree provides protection the unit against dust penetration and accidental flooding with a stream of water.



**Compact housing**

Limited space in your tool box? It is not a problem with CMM-11. Thanks to the small dimensions, the unit even fits in your pocket.



**Wireless communication**

The device can wirelessly send the results of measurements ("live" mode) to the mobile application – Sonel Multimeter Mobile. It enables the recording and storage of results, notes and photos can be added or files attached to e-mail messages later on.

**Pocket multimeter with a strong character**

# Technical specification

Measurement functions	Range	Resolution	Accuracy ±(% m.v. + digits)
AC / DC voltage	up to 600 V	from 0.001 V	from ±(1.0% m.v. + 3 digits)
AC / DC current	up to 10.00 A	from 0.1 µA	from ±(1.0% m.v. + 3 digits)
Resistance	up to 40.00 MΩ	from 0.1 Ω	from ±(1.0% m.v. + 4 digits)
Frequency	up to 99.99 kHz	from 0.001 Hz	±(1.0% m.v. + 5 digits)
Capacity	up to 4000 µF	from 0.01 nF	from ±(3.0% m.v. + 5 digits)
Duty cycle (%)	✓	0.1%	±(1.2% m.v. + 2 digits)
Continuity / Diode test	✓ / ✓		
<b>Basic features</b>			
Counting		4.000 digits	
HOLD		✓	
Manual / automatic range selection		✓ / ✓	
<b>Advanced features</b>			
MIN / MAX		✓ / ✓	
TRMS measurement		✓	
Memory		in mobile application	
Bluetooth communication		✓	
<b>Other features</b>			
Easy access to A / mA fuses		✓ / ✓	
Auto-off		✓	
Empty battery indication		✓	
Integrated flashlight		✓	
Beeper		✓	
<b>Display</b>			
Type		segment-based	
Display backlight		✓	
<b>Safety and conditions for use</b>			
Measuring category (EN 61010)		CAT III 600 V	
Protection class		IP65	
Dimensions		4.8" x 2.6" x 1.4" (121 x 67 x 35 mm)	
Operating temperature		41...104°F (5...40°C)	
Storage temperature		-4...140°F (-20...60°C)	

## Standard accessories



Test leads set for CMM (CAT IV, S)  
WAPRZCMM1



2x LR03 AAA  
1,5 V battery



Calibration certificate



User manual

## Optional accessories



Set of test leads for CMM  
for CMM/CMP WAPRZCMP1  
CAT IV, M WAPRZCMM2



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



S1 carrying case  
WAFUTS1



Calibration certificate issued by an accredited laboratory

"m.v." - measured value