



### Advanced

The rangefinder has a range of up to **100 m**. With the built-in algorithms, the device helps the user by calculating the **area, cubature** and - on the basis of 2 or 3 indirect measurements - **height**.



### Handy

A pocket device with a handy shape. Protective case included.



### Durable

The device is ready to work in difficult conditions. The rubberised housing protects the device against damage.



## Size does matter!

The Sonel LMW-100 is an invaluable measurement assistant for users working in the construction industry, but also for electricians. It will help you to determine:

- the measurement grid for illuminance measurements,
- the distance to the probes when measuring earth resistance,
- the distance to cable damage indicated by the reflectometer.

The 100-meter range facilitates the work in many industry branches. Functions for calculating the area, volume and height, help the user to accelerate the execution of tasks. The function of adding and subtracting results will help you determine the length of cable routes and other complex objects.

## Measurement functions

### Single mode measurements

The device measures distance after pressing the trigger button.

### Continuous measurements

The device automatically measures distance without the need to press a button.

### Automatic continuous determination of extreme values

In the continuous measurement mode, the meter records the values every 0.5 s. The display shows the minimum and the maximum value among the previous ones, as well as the current reading.

### Summing up the results

In the single measurement mode, the user can turn on the measurement results summing mode. The next measurement result will be added or subtracted from the current total.

### Surface measurement

The device calculates the surface of an object based on two distance measurements.

### Volume measurement

The device calculates the volume of an object based on three distance measurements.

### Determining the distance with two measurements

This mode allows user to calculate the desired dimension based on the Pythagorean theorem and two measured auxiliary dimensions: the cathetus and hypotenuse of a right triangle. The length of the second cathetus is calculated.

### Determining the distance with three measurements

This mode allows user to calculate the desired dimension based on the Pythagorean theorem and three measured auxiliary dimensions: two arms of the triangle and its height. The length of the base is calculated.

## Standard accessories



**Screwdriver**  
WAPOZSRU1



**S-6 carrying case**  
WAFUTS6



**2x AAA 1.5 V battery**



**Declaration of verification**

## Optional accessories



**S-1 carrying case**  
WAFUTS1

## Technical specifications

### Basic features

<b>HOLD</b>	✓
<b>Range</b>	0.05...100 m 0.16...328 ft

### Other features

<b>Auto-off</b>	✓
<b>Empty battery indication</b>	✓
<b>Beeper</b>	✓

### Display

<b>Type</b>	segment-based LCD, 5 digits
<b>Display backlight</b>	manual

### Safety and conditions for use

<b>Ingress protection</b>	IP54
<b>Dimensions</b>	110 x 46 x 28 mm   4.3" x 1.8" x 1.1"
<b>Weight</b>	100 g   2.2 lbs
<b>Operating temperature</b>	-10...50°C   14...122°F
<b>Storage temperature</b>	-20...+60°C   -4...140°F