

# RT301WA

## Super-Fast Pocket Thermometer

### Instrument Operation

Press the  button to activate the thermometer. The unit will turn off automatically after 10 minutes to save battery life.

Insert the stainless steel probe to the desired depth. The measured temperature will be shown on the LCD display within 5 to 6 seconds.

### To Select °C or °F

Press the °C/°F button to select the desired temperature unit.

### Battery Installation

Replace the battery if the LCD display becomes dim.

1. Remove the two screws on the back of the thermometer.
2. Carefully remove the cover.
3. Replace the battery with a 1.5 volt, type A76, observing the correct polarity.
4. Replace the cover and secure the screws.

### Calibration

1. Remove the Phillips head screw on the front panel.
2. Place the probe in a 32°F / 0°C temperature calibrator and let the reading become stable.
3. Place a suitable size flathead screwdriver onto the screw hole and adjust the potentiometer to display 32°F / 0°C.
4. Place the probe in a 212°F / 100°C temperature calibrator and let the reading become stable.
5. If needed, adjust the potentiometer to display 212°F / 100°C
6. Repeat step 2 to verify the 32°F / 0°C reading is within tolerance.
7. Replace the Phillips head screw.

### Care and Cleaning

- Clean the probe immediately after each measurement to avoid cross contamination.
- Do not expose the entire thermometer to temperatures below 32°F / 0°C or over 122°F / 50°C. Incorrect readings or damage to the thermometer may result.
- Tighten the calibration and battery compartment screws firmly to maintain the unit's water resistance.

### Specifications

<b>Measuring Range</b>	-40 to 302°F / -40 to 150°C
<b>Accuracy</b>	±1.8°F between -3.8 to 247.8°F ±3.6°F between -40 to -4°F and 248 to 301.8°F ±1°C between -19.9 to 119.9°C ±2°C between -40 to -20°C and 120 to 149.9°C
<b>Display Resolution</b>	0.1° between -19.9 to 199.9°; otherwise 1°
<b>Response Time</b>	Approx. 6 seconds from ambient to 32°F
<b>Display Size</b>	0.7 (W) x 0.35 (H) inches / 18 (W) x 9 (H) mm
<b>Water Resistance</b>	IP65
<b>Digit Size</b>	0.16 (W) x 0.39 (H) inches / 4 (W) x 10 (H) mm
<b>Probe Size</b>	0.097 (∅) x 4.9 (L) inches 2.5 (∅) x 125 (L) mm
<b>Probe Tip</b>	0.06 (∅) x 0.67 (L) inches 1.5 (∅) x 17 (L) mm
<b>Minimum Immersion</b>	Approx. ¼ inch / 6.4 mm
<b>Battery</b>	1.5 volt, type A76 or equivalent x 1 piece (included)
<b>Product Size</b>	1.9 (W) x 1.3 (H) x 1.1 (D) inches 49 (W) x 35 (H) x 28 (D) mm, excluding probe
<b>Operating Range</b>	32 to 122°F / 0 to 50°C



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