

[Manuals.plus](#) /

› [Circrane](#) /

› Circrane Solar Digital Pool and Spa Thermometer User Manual

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1. PRODUCT OVERVIEW

The Circrane Solar Digital Pool and Spa Thermometer is designed to provide accurate and convenient temperature readings for various water environments. Featuring solar power, a durable waterproof design, and an easy-to-read display, this thermometer is suitable for pools, spas, hot springs, and more.



Image 1: Circrane Solar Digital Pool and Spa Thermometer, showing its blue and white design with a digital display.

2. KEY FEATURES

- **High Accuracy:** Equipped with a high-precision temperature sensor, providing measurement accuracy up to 0.1°F.
- **Rapid Measurement:** Updates temperature readings every 10 seconds.
- **Dual Temperature Units:** Easily switch between Fahrenheit (°F) and Celsius (°C) using the blue button.
- **Solar Powered:** Utilizes a built-in rechargeable battery that charges via solar energy, offering over six months of battery life when fully charged.
- **IPX-8 Waterproof:** Features a newly designed case with IPX-8 waterproof rating, ensuring protection against water ingress.
- **Durable Construction:** Made from UV-resistant ABS material to withstand sunlight and rain exposure.
- **Angled LCD Screen:** Large, easy-to-read numbers on a 35° angled LCD screen for clear visibility from a distance.
- **Optimal Sensor Depth:** The temperature sensor reaches a depth of 5 inches below the water surface for more

accurate readings.



Image 2: Visual representation of the thermometer's features, including solar power, 0.1°F accuracy, 10-second update cycle, 180+ days battery life, 35° angled LCD, and F°/C° switching.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- 1 x Cirrane Solar Digital Pool Thermometer
- 1 x Nylon Tether

Dimensions



Image 3: Diagram showing the dimensions of the thermometer and listing the included items: one solar digital pool thermometer and one nylon tether.

4. SETUP INSTRUCTIONS

4.1 Initial Power-Up and Charging

The thermometer is solar-powered and comes with a built-in rechargeable battery. For initial use, place the thermometer in direct sunlight to allow the solar panel to charge the internal battery. No manual battery installation is required.

Solar panel & LCD screen



Automatic Charge



Rechargeable

Solar powered, no battery required.

Oversized LCD screen with easy-to-read numbers



Image 4: Close-up of the thermometer's solar panel and oversized LCD screen, illustrating its automatic charging capability.

4.2 Selecting Temperature Unit (Fahrenheit/Celsius)

Locate the blue button on the thermometer. Press this button to toggle between Fahrenheit (°F) and Celsius (°C) display modes according to your preference.

4.3 Placement in Water

Gently place the thermometer into your pool, spa, or other water body. The thermometer is designed to float. For optimal temperature sensing, ensure the lower part of the thermometer, where the sensor is located, is submerged approximately 5 inches below the water surface.



Image 5: The Cirrane thermometer floating in a pool, demonstrating its intended use.

4.4 Using the Nylon Tether

Attach the included nylon tether to the thermometer and secure the other end to a fixed point, such as a pool ladder or skimmer basket, to prevent the thermometer from drifting away or being drawn into filtration systems.

Can be used together with skimmer

Our temp sensor reaches a depth of 5in below the water surface for a more accurate temp reading. Vertical shape design could also prevent it being drawn into the skimmer.



Image 6: The thermometer positioned near a skimmer, illustrating how its vertical design prevents it from being drawn in and showing the 5-inch sensor depth.

5. OPERATING INSTRUCTIONS

Once placed in the water, the thermometer will automatically begin measuring and displaying the temperature. Readings are updated every 10 seconds. The 35° angled LCD screen allows for easy viewing of the temperature from a distance.

The thermometer is suitable for various applications:

- Swimming Pools
- Spas
- Hot Springs
- Baby Baths
- Fish Ponds
- Aquariums

Scope of application



Image 7: Examples of environments where the thermometer can be used, including hot springs, spas, baby baths, fish ponds, swimming pools, and aquariums.

6. MAINTENANCE

6.1 Cleaning

To clean the thermometer, use a soft cloth and mild soap with water. The product care instructions specify "Hand Wash Only." Avoid abrasive cleaners or harsh chemicals that could damage the UV-resistant ABS casing or the LCD screen.

6.2 Battery Life and Charging

The built-in rechargeable battery is designed to last over six months on a full charge, thanks to exclusive low-voltage power-saving technology. Ensure the solar panel is exposed to sunlight regularly to maintain optimal battery levels. Even for indoor pools, periodic exposure to light will help sustain battery life.

6.3 Waterproof Integrity

The thermometer features an IPX-8 waterproof rating. While designed to be highly resistant to water, avoid intentionally submerging it to extreme depths or subjecting it to high-pressure water jets, which could compromise its seal over time.



Entire case of this thermometer is made of weather-resistant ABS. With ultrasonic welding technology, waterproof grade can reach IPX8 (highest level) , which is far superior to other similar products. Therefore, it can be used for a long time without to be replaced every year.

Image 8: Illustration highlighting the IPX8 upgraded waterproof feature and the UV-resistant ABS material of the thermometer.

7. TROUBLESHOOTING

7.1 Display Not Showing Temperature

- **Check Sunlight Exposure:** Ensure the solar panel has received sufficient sunlight to charge the internal battery. If the thermometer has been in a dark environment for an extended period, place it in direct sunlight for several hours.
- **Verify Submersion:** Confirm that the sensor portion of the thermometer is adequately submerged in the water.

7.2 Inaccurate Temperature Readings

- **Sensor Depth:** Ensure the sensor is approximately 5 inches below the water surface for the most accurate

readings.

- **Water Circulation:** In stagnant water, temperature layers can form. Gently stir the water around the thermometer to ensure it's reading the average temperature.
- **Environmental Factors:** Extreme air temperatures or direct sunlight on the display portion (not the sensor) can sometimes affect readings.

7.3 Water Leakage

The Circrane thermometer is designed with an IPX-8 waterproof case and undergoes rigorous testing. If you experience any water leakage, please contact customer support immediately. A free exchange guarantee is provided for orders with water leakage issues.

8. SPECIFICATIONS

Feature	Detail
Model	Solar Digital Pool & Spa Thermometer
Brand	Circrane
Measurement Accuracy	±0.1°F
Measuring Cycle	Every 10 seconds
Power Source	Solar Powered (built-in rechargeable battery)
Battery Life	Over 6 months (when fully charged)
Waterproof Rating	IPX-8
Material	UV-resistant ABS, Polycarbonate (PC)
Display Type	Digital LCD (35° angled)
Sensor Depth	5 inches below water surface
Product Care	Hand Wash Only
Dimensions	7.95 x 5.24 x 4.8 inches (approximate package dimensions)
Weight	9.91 ounces (approximate package weight)

9. WARRANTY AND CUSTOMER SUPPORT

Circrane provides a free exchange guarantee for all orders experiencing water leakage issues. For any quality concerns or assistance with your Circrane Solar Digital Pool and Spa Thermometer, please contact us through the Amazon platform where you made your purchase.

Please retain your purchase receipt for warranty purposes.

