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## Casio WS220-1A

# Casio WS220-1A Solar Runner Multi-Function Watch Instruction Manual

Model: WS220-1A

## 1. PRODUCT OVERVIEW

The Casio WS220-1A is a robust solar-powered digital watch designed for active individuals. It features a wide face, a durable black resin band, and a range of multi-functional capabilities powered by Casio's Tough Solar technology. This watch is built to withstand various conditions, offering reliable timekeeping and advanced features for daily use and sports activities.



Front view of the Casio WS220-1A Solar Runner Watch, showcasing its digital display and button layout.

### Key Features:

- **Tough Solar Power:** Charges via sunlight and artificial light, eliminating the need for battery replacement.
- **Water Resistance:** Water-resistant to 100 meters (330 feet), suitable for swimming and snorkeling.
- **Digital Display:** Clear and easy-to-read digital time display.
- **Multi-Functionality:** Includes stopwatch, countdown timer, multiple alarms, and world time.
- **LED Light:** Easy push-button front light for visibility in low-light conditions.

## 2. GETTING STARTED

### Initial Charging

Upon receiving your Casio WS220-1A watch, it is recommended to expose it to light for initial charging. The watch is equipped with Tough Solar technology, which converts light into electrical energy to power the watch and recharge the internal battery. For optimal performance, ensure regular exposure to light.

- Place the watch in a location where it can receive direct sunlight or bright artificial light.
- Avoid prolonged storage in dark places to prevent the battery from depleting.
- The display may indicate the battery level (H, M, L for High, Medium, Low). Aim to keep it at 'H'.

## Basic Time Setting

The watch typically comes pre-set with the correct time. However, if adjustment is needed, refer to the detailed instructions in the full user manual for your specific module number. Generally, time setting involves entering a setting mode using the 'Adjust' button and then using other buttons to change values.

## 3. OPERATING MODES

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The Casio WS220-1A offers several modes accessible via the 'Mode' button (bottom left). Pressing the 'Mode' button cycles through the different functions.

### Timekeeping Mode

This is the default mode, displaying the current time, day of the week, and date. The solar power indicator is also visible in this mode.

### Stopwatch Mode

The stopwatch measures elapsed time, split times, and two finishes. It features a 1/100-second accuracy and a 120-lap counter, making it ideal for tracking running performance.

- Press the 'Mode' button until 'STW' or 'STOP' appears.
- Press 'Start/Stop' (bottom right) to start/stop the stopwatch.
- Press 'Lap/Split' (top right) to record lap/split times.
- Press 'Adjust' (top left) to reset the stopwatch.

### Countdown Timer

The countdown timer can be set for a specific duration and will alert you when the time expires.

- Press the 'Mode' button until 'TMR' or 'TIMER' appears.
- Use 'Adjust' (top left) to enter setting mode, then 'Lap/Split' (top right) and 'Start/Stop' (bottom right) to set the desired time.
- Press 'Start/Stop' (bottom right) to start/stop the countdown.

### Alarm Functions

The watch includes five independent daily alarms and an hourly time signal. Alarms can be set to sound at a specific time each day.

- Press the 'Mode' button until 'ALM' or 'ALARM' appears.
- Use 'Adjust' (top left) to select an alarm and enter setting mode.
- Use 'Lap/Split' (top right) and 'Start/Stop' (bottom right) to set the alarm time.
- Toggle alarms on/off using 'Lap/Split' (top right) when not in setting mode.

### World Time Mode

View the current time in 31 time zones (48 cities) around the world.

- Press the 'Mode' button until 'WT' or 'WORLD TIME' appears.
- Use 'Lap/Split' (top right) and 'Start/Stop' (bottom right) to scroll through different city codes/time zones.

## LED Backlight

The watch features an LED light for illuminating the display in dark environments.

- Press the 'Light' button (bottom center) to activate the backlight.
- The light duration can typically be adjusted in the watch's settings.

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*Official product video demonstrating the Casio Men's WS220-1A Tough Solar Digital Sport Watch.*

## 4. CARE AND MAINTENANCE

### Solar Charging Guidelines

To ensure continuous operation and extend battery life, regularly expose your watch to light. The solar panel is located on the watch face.

- **Daily Exposure:** Wear the watch regularly or place it in a well-lit area.
- **Full Charge:** For a nearly depleted battery, a full charge may require several hours of direct sunlight.
- **Avoid Obstruction:** Ensure the watch face is not covered by clothing or other objects when charging.

### Water Resistance

The Casio WS220-1A is water-resistant to 100 meters (10 BAR), meaning it is suitable for everyday use, swimming, and snorkeling. It is not recommended for scuba diving.

- Do not operate buttons while the watch is submerged in water.
- Avoid exposing the watch to hot water or steam, as this can damage seals.
- Rinse the watch with fresh water after exposure to saltwater.

### Battery Information

The watch uses a rechargeable Lithium Metal battery (included) that is charged by the Tough Solar system. With proper care and regular light exposure, the battery is designed for long-term use without replacement.

## 5. TROUBLESHOOTING

### Blank Display or Low Battery Indicator

- **Cause:** Insufficient light exposure leading to low battery charge.
- **Solution:** Place the watch in direct sunlight or under bright artificial light for several hours to recharge.

### Incorrect Time Display

- **Cause:** Time zone setting is incorrect or manual adjustment is needed.
- **Solution:** Enter Timekeeping Mode and adjust the home city/time zone. If necessary, manually set the time according to the full user manual.

## Buttons Not Responding

- **Cause:** Watch may be in a locked mode, or battery is extremely low.
- **Solution:** Ensure the watch is not in a special mode (e.g., setting mode). Recharge the watch if the battery indicator is low. If the issue persists, perform a full reset (refer to the full user manual for specific instructions, as this may clear all settings).

## 6. SPECIFICATIONS

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- **Model Number:** W-S220-1AVDF (D092)
- **Brand:** Casio
- **Material:** Resin (case and band)
- **Product Dimensions:** 1.96 x 2.04 x 0.57 inches
- **Item Weight:** 1.62 ounces
- **Water Resistance:** 100 Meters (330 Feet)
- **Power Source:** Tough Solar (rechargeable Lithium Metal battery included)
- **Display Type:** Digital
- **Features:** Five alarms, 1/100 second stopwatch (120 lap counter), LED light, Countdown timer, Auto calendar, World time (31 time zones, 48 cities)
- **Date First Available:** September 14, 2011

## 7. WARRANTY AND SUPPORT

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For detailed warranty information, service, and additional support, please refer to the official Casio website or the warranty card included with your product. Keep your proof of purchase for any warranty claims.

- **Manufacturer:** Casio
- **Official Website:** [www.casio.com](http://www.casio.com)
- **Customer Service:** Refer to the manufacturer's website for contact information and support resources.