Casio HS-80TW-1DF

Casio HS-80TW-1DF Stopwatch User Manual

Model: HS-80TW-1DF | Brand: Casio

1. INTRODUCTION

This manual provides detailed instructions for the proper use and maintenance of your Casio HS-80TW-1DF Stopwatch. Please read this manual thoroughly to ensure optimal performance and longevity of your device. The Casio HS-80TW-1DF is a versatile stopwatch designed for various timing needs, featuring advanced functions such as lap memory, a football stopwatch mode, and a full auto calendar.

Image 1.1: Front view of the Casio HS-80TW-1DF Stopwatch, showing the display and control buttons, attached to a black lanyard.

2. KEY FEATURES

- **Stopwatch Function:** Measures elapsed time up to 10 hours with 1/1000-second accuracy.
- **Lap Memory:** Stores up to 100 lap/split time records in two sets.
- **Football Stopwatch:** Dedicated 100-minute timer for tracking game time and injury time.
- **Countdown Timer:** 60-minute timer with auto-repeat function.
- **Counter Function:** Counts from 0 to 99999, with standard, stopwatch, and dual counter modes.
- **Daily Alarms:** Twelve independent beeper alarms.
- **Timekeeping:** Displays hour, minute, second, AM/PM, year, month, date, and day.
- **Full Auto Calendar:** Automatically adjusts for different month lengths and leap years until 2099.

- **Water Resistance:** 50 meters (5 BAR) suitable for swimming and athletic sports, but not snorkeling or scuba diving.
- **Long Battery Life:** Approximately 5 years on a CR2032 battery.
- **Operation Tone:** Option to turn button operation tones on or off.

3. INITIAL SETUP

3.1 Battery Installation

The Casio HS-80TW-1DF stopwatch comes with a pre-installed CR2032 lithium-ion battery. If the display is dim or blank, the battery may need replacement. Refer to the "Maintenance" section for battery replacement instructions.

3.2 Setting the Time and Date

1. Press the **MODE** button repeatedly until the timekeeping mode is displayed.
2. Press and hold the **ADJUST** button (usually located on the side or back) until the seconds begin to flash, indicating the setting mode.
3. Use the **START/STOP** button to increment the flashing value and the **LAP/SPLIT** button to move between settings (seconds, hour, minute, year, month, day, 12/24-hour format).
4. Once all settings are correct, press the **ADJUST** button again to exit the setting mode.

Image 3.1: Rear view of the Casio HS-80TW-1DF Stopwatch, showing the battery compartment cover and screws.

4. OPERATING INSTRUCTIONS

Navigate between different modes using the **MODE** button.

4.1 Stopwatch Mode

This mode measures elapsed time, lap times, and split times with 1/1000-second precision up to 10 hours.

1. Enter Stopwatch Mode using the **MODE** button. The display will show "0'00"000".
2. Press **START/STOP** to begin timing.
3. Press **LAP/SPLIT** to record a lap time or split time. The display will momentarily show the recorded time.
4. Press **START/STOP** again to pause timing.
5. Press **START/STOP** to resume timing, or press **RESET** (often the same as LAP/SPLIT when stopped) to clear the stopwatch.

The stopwatch can store up to 100 lap/split records in two sets. To recall these records, use the **RECALL** button (if available, or a combination of other buttons as per specific model instructions).
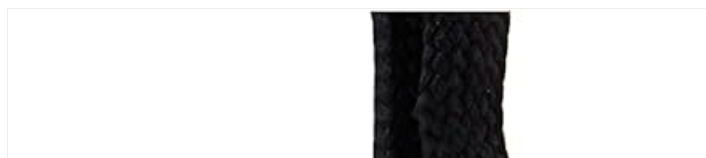
CASIO

RESISTANT
WATER

RECALL

LAP 100X2/TIMER

STOP

SPLIT

LAP

STOP

CASIO

Image 4.1: Side view of the Casio HS-80TW-1DF Stopwatch, highlighting the buttons and their labels.

4.2 Football Stopwatch Mode

This mode is designed for referees to track game time and injury time, with a maximum capacity of 100 minutes.

1. Enter Football Stopwatch Mode using the **MODE** button.
2. Press **START**/**STOP** to begin the game timer.
3. If there is a stoppage in play, press **LAP**/**SPLIT** to pause the main game timer and start the injury time counter.
4. Press **LAP**/**SPLIT** again to stop the injury time counter and resume the main game timer.
5. Press **START**/**STOP** to end the game timer.

4.3 Countdown Timer Mode

The timer can be set for up to 60 minutes and features an auto-repeat function.

1. Enter Countdown Timer Mode using the **MODE** button.
2. Press and hold **ADJUST** to enter setting mode.
3. Use **START**/**STOP** to set the desired countdown time (minutes).
4. Press **ADJUST** to confirm and exit setting mode.
5. Press **START**/**STOP** to start the countdown.
6. When the countdown reaches zero, an alarm will sound. If auto-repeat is enabled, the timer will restart automatically.

4.4 Counter Mode

This mode allows counting from 0 to 99999. It supports standard, stopwatch, and dual counter functions.

1. Enter Counter Mode using the **MODE** button.
2. Press **START**/**STOP** to increment the counter.
3. Press **LAP**/**SPLIT** to reset the counter to zero.
4. Specific sub-modes (standard, stopwatch, dual) can be selected by pressing **ADJUST** in Counter Mode, then using **START**/**STOP** to cycle through options.

4.5 Alarm Mode

The stopwatch features 12 independent daily alarms.

1. Enter Alarm Mode using the **MODE** button.
2. Use **LAP**/**SPLIT** to cycle through the 12 alarms.
3. Press and hold **ADJUST** to enter setting mode for the selected alarm.
4. Use **START**/**STOP** to set the hour and minute, and **LAP**/**SPLIT** to move between hour/minute settings.
5. Press **ADJUST** to confirm and exit setting mode.
6. To turn an alarm on or off, select the alarm and press **START**/**STOP** (or a dedicated alarm on/off button if present).

5. MAINTENANCE AND CARE

5.1 Water Resistance

The Casio HS-80TW-1DF is water resistant up to 50 meters (5 BAR). This means it is suitable for use around sinks, during swimming, and athletic sports in shallow waters. It is **not** suitable for snorkeling or scuba diving. Avoid operating buttons while the stopwatch is submerged in water to prevent water ingress.

5.2 Battery Replacement

The stopwatch uses one CR2032 lithium-ion battery, providing approximately 5 years of operation. When the display becomes dim or functions are erratic, it is time to replace the battery. Battery replacement should ideally be performed by a qualified technician to ensure proper sealing and water resistance. If replacing yourself:

1. Carefully remove the screws on the back cover of the stopwatch.
2. Gently lift the back cover. Note the position of the gasket.
3. Remove the old CR2032 battery and insert a new one, ensuring correct polarity (+ side up).
4. Replace the gasket correctly and secure the back cover with the screws. Ensure the screws are tightened evenly to maintain water resistance.

After battery replacement, you may need to perform an AC (All Clear) reset by briefly touching the AC contact point on the module to the battery's negative terminal with a metal tweezer. Refer to the module diagram if available. Then, reset the time and date as described in Section 3.2.

5.3 General Care

- Clean the stopwatch with a soft, dry cloth. For stubborn dirt, use a slightly damp cloth and mild soap, then wipe dry.
- Avoid exposing the stopwatch to extreme temperatures, direct sunlight for prolonged periods, or strong magnetic fields.
- Do not use chemical cleaners or solvents, as they may damage the casing or display.

6. TROUBLESHOOTING

- **Blank or Dim Display:**

  This usually indicates a low battery. Replace the CR2032 battery as described in Section 5.2.

- **Incorrect Time/Date:**

  The time and date may need to be reset after a battery change or if the stopwatch has been exposed to strong impacts. Refer to Section 3.2 for setting instructions.

- **Buttons Not Responding:**

  Ensure the stopwatch is not in a locked mode (if applicable, though not specified for this model). If the issue persists, a full reset (AC reset after battery change) might be necessary. If buttons are stuck, gently clean around them. Avoid forcing buttons.

- **Water Inside Display:**

  If moisture appears inside the display, immediately stop using the stopwatch and seek professional service. This indicates a breach in the water resistance seal.

7. SPECIFICATIONS

Model Number	HS-80TW-1DF
Brand	Casio
Stopwatch Accuracy	1/1000 second

Stopwatch Capacity	10 hours
Lap Memory	100 records x 2 sets
Countdown Timer	60 minutes (with auto-repeat)
Alarms	12 daily alarms
Water Resistance	50 meters (5 BAR)
Battery Type	CR2032 Lithium Ion
Battery Life	Approximately 5 years
Dimensions (H x W x D)	83 x 64 x 24 mm (approximate, from description)
Weight	82 g (approximate, from description)
Case Material	Resin / Plastic
Country of Origin	Japan

8. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the official Casio website or contact your local Casio distributor. Keep your proof of purchase for any warranty claims. Casio provides support for its products, and details can typically be found on their regional websites.
Extended warranty options may be available from third-party providers. Please check with your retailer for details on such services.