

FH-250 FH-450

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CASIO COMPUTER CO., LTD.

6-2, Hon-machi 1-chome
Shibuya-ku, Tokyo 151-8543, Japan

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FH-250 FH-450

User's Guide
Guía del usuario
Mode d'emploi
用戶說明書
Guia do Usuário

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E S F Ch Po A

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■ Operating Precautions

- Do not use or store this calculator in areas exposed to extreme temperatures or subject to extreme temperature changes. The operating temperature range is 0°C to 40°C.
- Avoid using and storing this calculator in areas subject to large amounts of humidity and dust.
- Never twist or bend the calculator.
- Never use a pen or any other sharp object to operate the keys.
- To clean the calculator, wipe it with a soft, dry cloth.
- The contents of this manual are subject to change without notice.
- Note that CASIO COMPUTER CO., LTD. shall not be held liable to you or any third parties for any losses or damages arising from the use of this product.

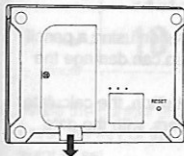
■ Before Using the Calculator for the First Time

• Remove the battery insulation sheet.

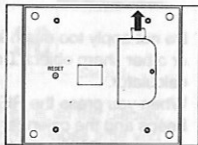
Before using the calculator for the first time after purchasing it, be sure to remove the insulation sheet from the battery.

- The insulation sheet is installed at the factory to keep the battery from discharging during shipment and storage.
- When you remove the insulation sheet, the calculator will beep and the calendar will appear on the display.

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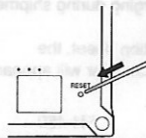
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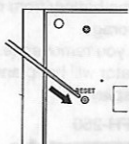
- **Reset the calculator.**

After removing the insulation sheet or anytime you replace the battery, be sure to press the RESET button on the back of the calculator with a thin, pointed object.* You should also press the RESET button whenever the calculator starts to operate erratically due to exposure to an electrostatic charge.

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- * Do not apply too much force when using a pencil or other sharp object. Doing so can damage the calculator.
- When you press the RESET button, the calculator beeps and the calendar appears, with the date January 1, 2000 selected.
- Failure to press the RESET button can cause abnormal display and beeper operation.
- Pressing the RESET button clears the following settings.
Current time, alarm time, exchange rate

- **To turn the key tone on and off**

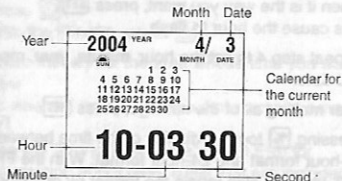
Press the  key. Each press of this key toggles the key tone on and off.

■ Using the Clock and Calendar

- **To set the current time**

1. Press .

With the FH-450, press .



2. While the current time screen is on the display, press the key of the city name whose time you want to set.
- See the "World Time Table" (page E-8) for information about other cities that are included in each zone.

3. Press **SET** twice.



This causes the second digits to flash.

4. Use **▲** and **▼** to change the second setting. When it is the way you want, press **SET**. This causes the hour to flash.
5. Repeat step 4 to set the hour, minute, year, month, and date.
6. After making all of the settings, press **SET**.
- Pressing **[%]** toggles display of the time between 12-hour format and 24-hour format. With the FH-450, you can also toggle the format by pressing the **[12/24]** key.
 - When 12-hour timekeeping is selected, a "PM" indicator appears for times between noon and midnight. No indicator is displayed for times between midnight and noon.
 - After setting the time, you can toggle between summer time (indicated by "SUMMER" on the display) and standard time by pressing the city name key twice.

• To view the calendar for another month

You can display calendars in the range of 1901 through 2099.

- Press **[📅]**.
With the FH-450, press **[📅]**.
- Use **▲** (forward) and **▼** (back) to scroll through calendars and display the one you want.

• To view the current time in another city

- Press **[🌐]**.
With the FH-450, press **[🌐]**.
 - Press the key for the area whose time you want to view.
 - To view the time in London, for example, press **[7]**.
 - See the "World Time Table" (page E-8) for information about other cities that are included in each zone.
- After about 15 seconds, the display returns to the city that was displayed when you first displayed the clock.

World Time Table

GMT Differential	Key	City Name	Other Cities
+00		LONDON	
+01		PARIS	Rome, Amsterdam, Vienna, Madrid, Stockholm, Berlin
+02		CAIRO	Athens, Istanbul, Jerusalem, Ankara, Finland, Jordan, Cape Town
+03		RIYADH	Moscow, Ethiopia, Nairobi
+04		DUBAI	Oman
+05		KARACHI	Maldives
+07		BANGKOK	Jakarta
+08		BEIJING	Hong Kong, Bali, Perth, Singapore, Taipei, Manila, Kuala Lumpur
+09		TOKYO	Seoul, Pyongyang
+10		SYDNEY	Guam, Saipan, Canberra
-10		HONOLULU	Tahiti
-08		LOS ANGELES	San Francisco, Las Vegas, Vancouver
-07		DENVER	Salt Lake City
-06		MEXICO CITY	Chicago, Dallas
-05		NEW YORK	Washington, D.C., Orlando, Miami, Lima, Montreal
-03		RIO DE JANEIRO	San Paulo, Buenos Aires

■ Using the Alarm

After you set an alarm time, the calculator beeps for about one minute at the preset time each day. Turning on the snooze feature causes the alarm to keep sounding at six-minute intervals after the preset time.

• To set the alarm time

- Press and then press .
This causes the hour digits of the alarm time to flash on the display.
- Use and to change the hour setting. When it is the way you want, press .
This causes the minute to flash.
- Use and to change the minute setting. When it is the way you want, press .
 - This sets the alarm time. The display shows the time you set, along with the icon.
 - After about 30 seconds, the display returns to the current time/calendar screen.
- A beeper sounds when the current time reaches the alarm time you set.
 - To stop the alarm beeper, press any key. The beeper will stop automatically after about one minute if you do not stop it manually.

- Pressing **[SNOOZE]** while the alarm is sounding causes "Z" to appear on the display. The alarm will keep sounding at six-minute intervals.

• To turn the alarm on and off

Each press of the **[ALARM]** key toggles the alarm on and off.

Alarm On

13-03 **AL**

Alarm Off

-- -- **AL**

■ Using the Date Countdown

With the date countdown feature, you set a countdown target date, and then the display of the calculator keeps you informed of how many days remain until the target date.

• To set the date countdown date

- Press **[COUNT DOWN]**, and then press **[SET]**.
This causes the year digits to flash.
- Note that you cannot display the date countdown screen while the arithmetic calculation or currency conversion screen is on the display. You must display a time screen (current time, alarm, timer) first.
- Use **[A]** and **[V]** to set the year of the target date, and then press **[SET]**.

- Repeat step 2 to set the month and date.



The display shows how many days are left until the target date. After about 30 seconds, the display returns to the current time screen.

- The number of remaining days is reduced by one on the timekeeping display with each passing day.
- You can toggle display of the remaining number of days on and off by pressing **[A]** or **[V]**.

■ Using the Timer

A beeper sounds for 30 seconds when the end of the timer countdown is reached.

- Press **[TIMER]**, and then press **[SET]**.
This causes the second digits to flash.
- Use **[A]** and **[V]** to set a start value for the seconds, and then press **[SET]**.
- Repeat step 2 to set the hour and minute.
You can set a start time up to 99 hours, 59 minutes, 59 seconds.

4. After setting the start time, press **TIMER**.
This starts the timer countdown. The calculator beeps when the end of the countdown is reached. You can stop a countdown operation by pressing **TIMER**. This also resets the timer to the start value. To stop the countdown beeper, press any key. The beeper will stop automatically after about 30 seconds if you do not stop it manually.

■ Using the Currency Converter

The currency converter lets you convert between a home country currency and other country's currency quickly and easily.

Before using the currency converter, you need to set the exchange rate. You can set up to two exchange rates.

• To set a currency exchange rate

Example: To set a rate of \$1 = £0.69

1. Press **AC/CAL**.
2. Press **C1** or **C2**.
This displays the exchange rate currently assigned to the key you pressed.
C1 6.55957 (€1 = 6.55957 French francs)
C2 1.95583 (€1 = 1.95583 German marks)

3. Press **SET**.
This causes the exchange rate digits to flash.
4. Change the rate.

For euro conversions

Use **Λ** and **V** to set an exchange rate, and then press **SET** (see "Currency Conversion Table").

For conversions between two other currencies

Input the exchange rate you want. In this example, input 0.69.

5. Press **SET** to register the rate.

This calculator can perform operations up to 8 significant digits. An error occurs whenever a calculation exceeds the ranges in the "Currency Conversion Table".

Currency Conversion Table

Built-in Rates (€1.00 =)	Country	€ → Home Currency	Home Currency → €
1.95583	Germany	511,291.87 → 999,999.98	999,999.99 → 511,291.88
6.55957	France	152,449.01 → 999,999.95	999,999.99 → 152,449.02
1936.27	Italy	51,645.68 → 99,999,981	99,999,999 → 51,645.69
166.386	Spain	601,012.09 → 99,999,998	99,999,999 → 601,012.10
2.20371	Holland	453,780.21 → 999,999.99	999,999.99 → 453,780.21
40.3399	Belgium	999,999.99 → 40,339,900	40,339,899 → 999,999.98
200.482	Portugal	498,797.89 → 99,999,999	99,999,999 → 498,797.89
13.7603	Austria	72,672.83 → 999,999.94	999,999.99 → 72,672.83
5.94573	Finland	168,187.92 → 99,999.96	999,999.99 → 168,187.92
0.787564	Ireland	999,999.99 → 787,563.99	787,563.99 → 999,999.99
40.3399	Luxembourg	999,999.99 → 40,339,900	40,339,899 → 999,999.98

• To perform a currency conversion

The following examples show results produced when a value of 0.69 (\$1 = £0.69) is assigned to C1, and a value of 1.45 (£1 = \$1.45) is assigned to C2.

Example: What is the pound equivalent of \$250?

$$\boxed{\text{AC/CAL}} \ 250 \boxed{\text{C1}} = \text{£}172.5$$

Example: What is the dollar equivalent of £150?

$$\boxed{\text{AC/CAL}} \ 150 \boxed{\text{C2}} = \$217.5$$

■ Arithmetic Calculations

53 + 123 - 63 =	$\boxed{\text{AC/CAL}} \ 53 \boxed{+} \ 123 \boxed{-} \ 63 \boxed{=}$	0. 113.
963 × (23 - 56) =	$\boxed{23} \boxed{-} \boxed{56} \boxed{\times} \ 963 \boxed{=}$	-31779.
(56 × 3 - 89) ÷	$\boxed{56} \boxed{\times} \ 3 \boxed{-} \ 89 \boxed{\div} \ 5.2$	78.192307
5.2 + 63 =	$\boxed{+} \ 63 \boxed{=}$	
12345678 ×	$\boxed{12345678} \boxed{\times} \ 741852 \boxed{=}$	E 91586.659
741852 =		91586.659
	$\boxed{\text{C/CE}} \ 0.$	0.
$\sqrt{3} \times 5 =$	$\boxed{\text{AC/CAL}} \ 3 \boxed{\sqrt{}} \ 5 \boxed{=}$	8.660254
12% of 1500	$\boxed{1500} \boxed{\times} \ 12 \boxed{\%}$	180.
Percentage of 660	$\boxed{660} \boxed{\div} \ 880 \boxed{\%}$	75.
against 880		
80 × 9 = 720	$\boxed{\text{MC/MR}} \ 80 \boxed{\times} \ 9 \boxed{\text{M+}}$	M 720.
→ 50 × 6 = 300	$\boxed{50} \boxed{\times} \ 6 \boxed{\text{M-}}$	M 300.
20 × 3 = 60	$\boxed{20} \boxed{\times} \ 3 \boxed{\text{M+}}$	M 60.
480	$\boxed{\text{MC/MR}}$	M 480.

- If you leave the calculator screen on the display without performing any operation for about eight and a half minutes, the display automatically switches to the clock screen.

■ Replacing the Battery

This calculator runs on a single lithium battery (CR2025).

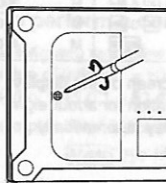
Low battery power is indicated by a flickering or dim display. Replace the battery as soon as possible after you notice symptoms such as these.

Remove the battery from the calculator if you do not plan to use it for a long time.

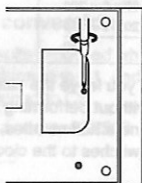
Replace the battery at least once every two years, regardless of how much you use the calculator.

1. Use a screwdriver to remove the screw on the back of the calculator, and then remove the battery cover.

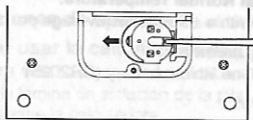
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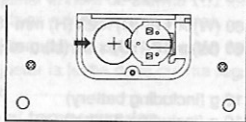
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2. Using a thin, pointed object to press the battery in the battery holder, and then remove the battery.



3. While lifting up on the protruding part of the battery holder, insert a new battery into place.
 - Wipe the new battery off with a soft cloth before inserting it. Make sure that the plus $\oplus$ side of the battery is facing up (so you can see it).



4. Replace the battery cover and secure it in place with the screw.
5. Reset the calculator.

■ Specifications

Accuracy at Normal Temperature:

Within ± 3 seconds average per day

Power Requirements:

One lithium battery (CR2025)

Battery Life:

Approximately 15 months (1 minute of beeper operation per day)

Operating Temperature:

0°C to 40°C

Dimensions:

FH-250: 100 (W) $\times$ 73.5 (D) $\times$ 12.5 (H) mm (Closed)
100 (W) $\times$ 104 (D) $\times$ 69 (H) mm (Open)

FH-450: 160 (W) $\times$ 115 (D) $\times$ 23 (H) mm (Closed)
160 (W) $\times$ 127 (D) $\times$ 82 (H) mm (Open)

Weight:

FH-250: 110 g (including battery)

FH-450: 210 g (including battery)