CASIO

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CASIO
Module No. 246

The keyboard is designed for fingertip operation; so you may use each key easily by finger touch. Do not use any sharp objects, as they may scratch key surfaces.

Le clavier est conçu de manière à pouvoir être commandé du bout des doigts: vous pouvez donc appuyer sur chaque touche très facilement. Si vous utilisez un objet pointu, vous risquez de rayer les touches. Ne donc pas utiliser d'objet pointu.

El teclado ha sido diseñado para operación al tacto, solamente deberá tocar la tecla con la punta de sus dedos. Si utiliza objetos ofilados podria rayar la superficie de la tecla, por lo tanto, abstèngase de usar tales elementos.
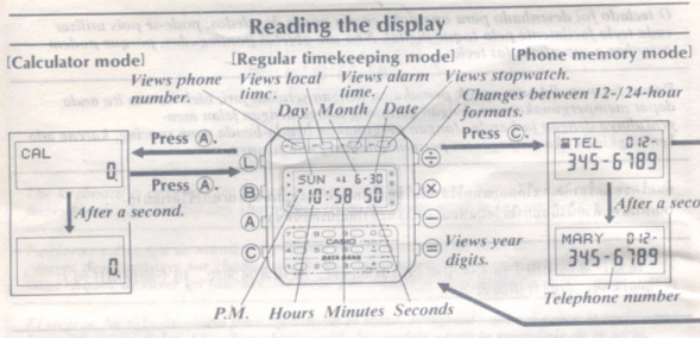
O teclado foi desenhado para operação com a ponta dos dedos; pode-se pois utilizar cada tecla facilmente pelo toque digital. Não use objetos pontiagudos, porque podem arranhar a superfície das teclas.

Papan tutsnya didesain untuk pemakaian dengan setuhan jari; oleh karena itu anda dapat mempergunakannya dengan gampang hanya dengan jalan menyentuhnya dengan jari anda. Jangan pergunakan benda-benda yang runcing, karena ada kemungkinan akan menggores permukaan dari pada tutsnya.
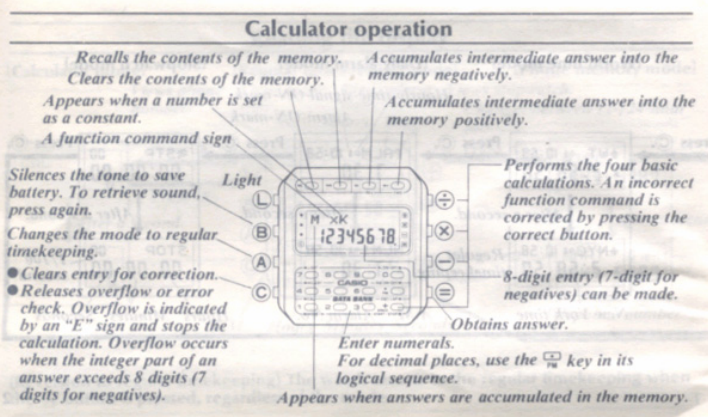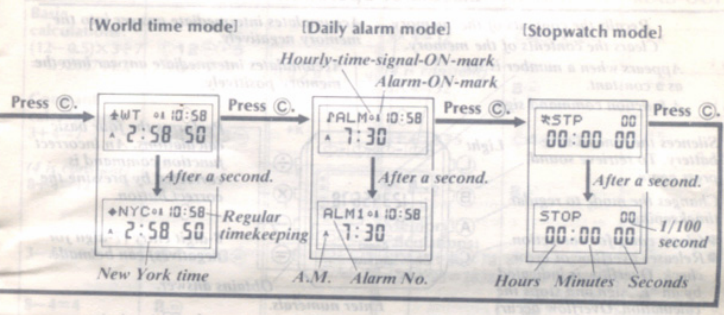
คีบอร์ดของเครื่องคิดเลขได้ออกแบบไว้สำหรับใช้นิ้วมือกดเพราะจะสะดวกในท่านสามารถใช้ได้ง่ายมาก โดยการแตะด้วยนิ้วมือออยางใช้ วัตถุแหลม เพราะจะทำให้เป็นรอยขีดข่วน

這一鍵盤，專為使用手指尖接用而設計製成因此，使用非常簡便。但不能使用任何尖銳物品按揶，否則會損傷表面。

ان لوحة الارقام مصممة بحيث يمكن تشغيلها باطراف الأصابع ، لذلك يمكنك تسجيل اى رقم بمجرد لمسه بطرف الاصبع ، لا تستخدم اداة اى شئ حاد لان ذلك قد يحدث الخدوش بالمفاتيح واللوحة ذها .

Reading the display

[Calculator mode]   [Regular timekeeping mode]   [Phone memory mode]

Views phone number.
Views local time.
Views alarm time.
Views stopwatch.
Changes between 12-/24-hour formats.

CAL
⊞ Press Ⓐ → Ⓛ
Ⓑ ← Press Ⓐ
0
Ⓐ
After a second.
Ⓒ
0

SUN ◀◀ 6-30
10:58 50
⊞ Press Ⓒ →
⊗
⊟
⊟ Views year digits.

P.M. Hours Minutes Seconds

☎TEL 0 12-
345-6789
↓ After a second.
MARY 0 12-
345-6789
Telephone number

[World time mode]   [Daily alarm mode]   [Stopwatch mode]

Hourly-time-signal-ON-mark
Alarm-ON-mark

Press Ⓒ →
◆WT ◀◀ 10:58
2:58 50
↓ After a second.
◆NYC◀◀ 10:58
2:58 50
Regular timekeeping
New York time

Press Ⓒ →
ALM ◀◀ 10:58
7:30
↓ After a second.
ALM1 ◀◀ 10:58
7:30
A.M. Alarm No.

Press Ⓒ →
⏱STP   00
00:00.00
↓ After a second.
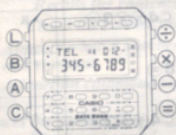STOP   00
00:00 00
1/100 second

Hours Minutes Seconds

Press Ⓒ →

(Reversion to regular timekeeping) The watch reverts to the regular timekeeping when the Ⓐ button is pressed, regardless of the mode.

1

2

Calculator operation

Recalls the contents of the memory.
Clears the contents of the memory.
Appears when a number is set as a constant.
A function command sign

Silences the tone to save battery. To retrieve sound, press again.

Changes the mode to regular timekeeping.

● Clears entry for correction.
● Releases overflow or error check. Overflow is indicated by an "E" sign and stops the calculation. Overflow occurs when the integer part of an answer exceeds 8 digits (7 digits for negatives).

Accumulates intermediate answer into the memory negatively.
Accumulates intermediate answer into the memory positively.

Light

M ⊗K
12345678

Ⓛ
Ⓑ
Ⓐ
Ⓒ

CASIO
DATA BANK

⊞
⊗
⊟
⊟

Performs the four basic calculations. An incorrect function command is corrected by pressing the correct button.

8-digit entry (7-digit for negatives) can be made.

Enter numerals.
For decimal places, use the ⊡ key in its logical sequence.

Obtains answer.

Appears when answers are accumulated in the memory.

EXAMPLE	OPERATION	READ-OUT	EXAMPLE	OPERATION	READ-OUT
Basic calculations: (12−0.5)×3÷7 =4.9285714...	Ⓒ12⊟•5 ⊗3⊟7⊟	4.9285714	3×4=12	Ⓒ4⊗3⊟	⋇K 12.
Constant calculations: 3+4=7	Ⓒ4⊞3⊟	⊹K 7	(4 is constant) 8×4=32	8⊟	⋇K 32.
(4 is constant) 8+4=12	8⊟	⊹K 12	3÷4=0.75	Ⓒ4⊟3⊟	⊹K 0.75
			8÷4=2	8⊟	⊹K 2.
3−4=−1	Ⓒ4⊟3⊟	−K -1	Memory calculations: 12×45+56×78 −90×23=2838	Ⓜ12⊗45Ⓜ⁺	M 540.
8−4=4	8⊟	−K 4		56⊗78Ⓜ⁺	M 4368.
				90⊗23Ⓜ⁻	M 2070.
				Ⓜ⁻	M 2838.

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Telephone memory operation
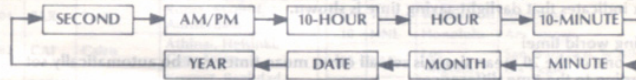
10 sets of 4 letters and 12 numerals can be memorized. This data base can be utilized as a telephone directory, or memo. Press Ⓜ or Ⓜ to move the memory contents. Keep pressed to move quickly.

[Memorizing telephone numbers]
1) Press Ⓑ in the telephone memory mode to set new numerals and letters.
2) Press Ⓜ or Ⓜ to select a memory number. Keep pressed to move quickly.
3) Press ⊕ to reset.
4) A numeral can be entered in the flashing position by pressing the required numeral key. Hyphen can be set by pressing ⊖.
5) In the upper left position 4 letters can be set by pressing Ⓜ or Ⓜ. The flashing position can be shifted by pressing Ⓒ.
6) Press Ⓑ to complete setting.

Setting time and calendar

1) In the regular timekeeping mode, first press Ⓑ to set.
2) Press the 0 key on a time signal to correct seconds.
3) The flashing position can be shifted by pressing Ⓒ in the following order:

SECOND → AM/PM → 10-HOUR → HOUR → 10-MINUTE → MINUTE → MONTH → DATE → YEAR →

AM (A) or PM (P) can be entered by pressing the ☖ button.
4) A numeral can be entered in the flashing position by pressing the required numeral key.
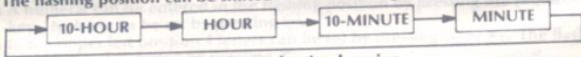5) Press Ⓑ to complete setting.

How to use the world-timekeeper

In this world-timekeeping mode, the watch shows 20 major time zones with capital city codes. To shift local times, press Ⓜ or Ⓜ. Keep pressed to move quickly. To change between standard time and daylight-saving time, press the ⊖ button. The (✦) mark indicates that daylight-saving time is shown.

[Setting world time]
If any one of the 20 mean times is set, all other mean times can be automatically set according to the time differences.
1) Press Ⓜ or Ⓜ to select the desired local time.
2) Press Ⓑ to set new local time.
3) Press ☖ to set PM (P) or AM (A).*
4) A numeral can be set in the flashing position by pressing the required numeral key.
The flashing position can be shifted in the following order:

10-HOUR → HOUR → 10-MINUTE → MINUTE

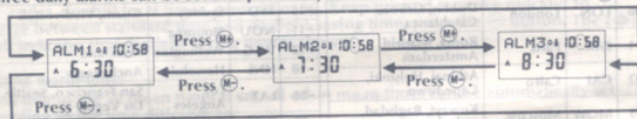Seconds are synchronized with regular timekeeping.
5) Press Ⓑ to complete setting.

*When the watch is in the 24-hour system, the alarm time is displayed in that system.

[World time zones]

GMT	CITY CODE	CITY	OTHERS	GMT	CITY CODE	CITY	OTHERS
+00	LON	London	Dublin, Lisboa, Casablanca	+10	SYD	Sydney	Guam, Vladivostok
+01	PAR	Paris	Roma, Madrid, Amsterdam	+11	NOU	Nouméa	
				+12	WLG	Wellington	Auckland
+02	CAI	Cairo	Athinai, Helsinki, Cape town	-10	HNL	Honolulu	Anchorage
+03	MOW	Moscow	Kuwayt, Baghdad, Nairobi	-08	LAX	Los Angeles	San Francisco, Seattle, Las Vegas
+04	DXB	Dubai	Abu Dhabi	-07	DEN	Denver	El Paso
+05	KHI	Karachi		-06	CHI	Chicago	Dallas, Mexico City, Houston
+06	DAC	Dacca	Tashkent	-05	NYC	New York	Washington, Boston, Montreal
+07	BKK	Bangkok	Jakarta	-04	CCS	Caracas	Santiago
+08	HKG	Hong Kong	Peking, Taipei, Manila	-03	RIO	Rio de janeiro	São Paulo, Buenos Aires
+09	TYO	Tokyo	Seoul, P'yeongyang				

Setting alarm times

Three daily alarms can be set independently.

Press Ⓜ.

ALM1 ᴏɴ 10:58 ▲ 6:30 — Press Ⓜ → ALM2 ᴏɴ 10:58 ▲ 7:30 — Press Ⓜ → ALM3 ᴏɴ 10:58 ▲ 8:30
← Press Ⓜ. ← Press Ⓜ.
Press Ⓜ.

In each alarm mode, every time ⊕ button is pressed, the alarm-ON-mark (🔔) appears or disappears. When the alarm-ON-mark (🔔) is lit, the alarm sounds at the preset time for 15 seconds. To stop the buzzer, press the Ⓛ button.
(Sound demonstration) Press and hold the ⊖ button in each alarm mode to sound the buzzer.
(Setting hourly time signal) In any alarm mode, every time the ⊗ button is pressed, the hourly-time-signal (♪) appears or disappears. When the hourly-time-signal (♪) is lit, the watch chimes every hour on the hour.
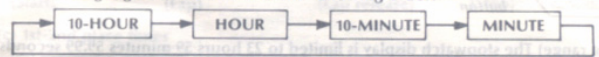
Presetting alarm times

Presetting of all the alarm modes is as follows:
1) Press Ⓜ or Ⓜ in alarm mode to select an alarm number (1, 2 or 3).
2) Press Ⓑ to set new alarm time.
3) Press ☖ to set PM (P) or AM (A).*
4) A numeral can be entered in the flashing position by pressing the required numeral key.
The flashing digit can be shifted in the following order:

10-HOUR → HOUR → 10-MINUTE → MINUTE

5) Press Ⓑ to complete setting.

*When the watch is in the 24-hour system, the alarm time is displayed in that system.
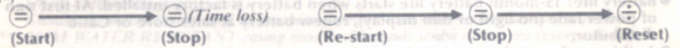
Stopwatch operation

⊕ Reset button
⊗
⊖ Lap button
⊜ Start/Stop button

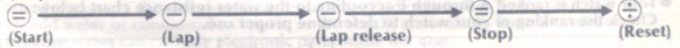A tone confirms start/stop operation. The tone sounds at 10-minute intervals. If the ⊕ button is pressed while the stopwatch is working, the display is reset to zero.

(Working range) The stopwatch display is limited to 23 hours 59 minutes 59.99 seconds. Thereafter it can be reset and started again.
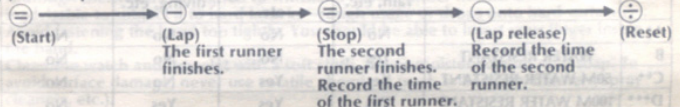
(a) Net time measurement

⊜ → ⊜(Time loss) → ⊜ → ⊜ → ÷
(Start)   (Stop)   (Re-start)   (Stop)   (Reset)

(b) Lap time measurement

⊜ → ⊖ → ⊖ → ⊜ → ÷
(Start)   (Lap)   (Lap release)   (Stop)   (Reset)

(c) 1st-2nd place times

⊜ → ⊖ → ⊜ → ⊖ → ÷
(Start)   (Lap) The first runner finishes.   (Stop) The second runner finishes. Record the time of the first runner.   (Lap release) Record the time of the second runner.   (Reset)

Care of your watch

- Battery life: 15-month battery life starts when battery is factory installed. At first sign of power fade (no light or dim display), renew battery at sales store or Casio distributor.
- As this watch contains precise electronic components, it is suggested that the back cover be removed only by authorized personnel.
- Your watch is ranked A through E according to the water resistance chart below: Check the ranking of your watch to determine proper use.

Rank	Case designation	Splashes, rain, etc.	Swimming, car washing, etc.	Snorkeling, diving, etc.	Scuba diving
A*	—	No	No	No	No
B	WATER RESISTANT	Yes	No	No	No
C**	50M WATER RESISTANT	Yes	Yes	No	No
D***	100M WATER RESISTANT	Yes	Yes	Yes	No
E****	200M WATER RESISTANT	Yes	Yes	Yes	Yes

* The watch is sweat-resistant but not water-resistant. So be careful not to get it wet. The pendant type does not meet sweat-resistant levels.

** *50M WATER RESISTANT casing model does not permit underwater button operations.*
*** *100M WATER RESISTANT casing model permits underwater button operations (except where buttons are countersunk).*
Should the watch be exposed to sea water, wash it well with fresh water and wipe dry.
**** *200M WATER RESISTANT casing model withstands scuba diving use (except diving using helium-oxygen gas).*

- A waterproof rubber seal is used to exclude water and dust. As rubber deteriorates after long usage, the seal should be replaced periodically (every 2—3 years).
- Should water or condensation appear in the watch, immediately have it overhauled because water can corrode electronic parts inside the case.
- Avoid exposing it to extremely high and low temperatures.
- Although the watch is designed to withstand shocks under normal use, it is inadvisable to subject it to hard knocks—rough usage or drops onto hard surfaces—.
- Avoid fastening the band too tightly. You should be able to insert your finger inside the band.
- Clean the watch and bracelet with a soft cloth, dry or moistened with mild soap. To avoid surface damage, never use volatile chemicals (such as benzine, thinners, spray cleaners, etc.).
- Gold plated surfaces can be kept in good condition by regular wiping with a soft damp cloth. Discoloration can be removed with detergent.
Always keep unused watches in a dry place.

- Avoid exposing the watch to strong chemicals such as gasoline, cleaning solvent, aerosol spray, adhesive agent, paints, etc. whose chemical action will destroy the seals, case and finish.

Specifications

Accuracy at normal temperature: ±15 seconds per month
Display capacity:
- Regular timekeeping mode
  Hours, minutes, seconds, am/pm, month, date and day, year
  Time system: Changeover between 12-hour and 24-hour formats
  Calendar system: Auto-calendar pre-programmed until the year 2099
- Telephone memory mode
  10 sets of 4 letters and 12 numerals can be memorized.
- World time mode
  Displays 20 major time zones with capital city code.
  The summertime can be adjusted at one-touch.
- Daily alarm mode
  Three alarm times can be set independently.
- Hourly time signals

- Stopwatch mode
  Capacity: 23 hours 59 minutes 59.99 seconds
  Unit: 1/100th of a second
  Modes: Normal time, net time, lap time and 1st-2nd place times
- Calculator mode
  8 digits (7 digits for negatives)
  Abilities: Four basic calculations, chain & mixed operations, constants for $+/-/\times/\div$, accumulation to the memory
  Overflow check: Indicated by the "E" sign, locking the calculator
Battery: One lithium battery (Type: BR-2020)
  Approx. 15 months operation on type BR-2020 (under following conditions: light—1 second/day, buzzer—20 seconds/day, calculation—10 minutes/day)

NOTE: THERE IS NO WAY unit components can be damaged or malfunction, due to mis-operation of buttons. If confusing information appears on the display it means entry sequence was incorrect. Please read the manual and try again.

Warranty Certificate

THIS WARRANTY CERTIFICATE IS VALID ONLY FOR SERVICE IN THE COUNTRY OF PURCHASE.
Should this watch malfunction under normal use, it will be repaired without charge for a period of one year from the date of purchase. If the watch requires service within the warranty period, request repair or adjustment at the store where purchased or the authorized Casio watch distributor, presenting the watch together with this warranty certificate. The customer shall not have any claim under this warranty for repair or adjustment expenses if:
(1) The trouble is caused by improper, rough or careless treatment.
(2) The trouble is caused by a fire or other natural calamity.
(3) The trouble is caused by improper repair or adjustment made by anyone other than the authorized Casio watch distributor or its retailers.
(4) The case, band, glass or battery is damaged or worn.
(5) This warranty certificate is not presented when requesting service.
(6) The name and address of the authorized distributor or the retailer are not stamped in the warranty certificate.
(7) The date of purchase, model name and manufacturing number are not entered in the warranty certificate.
* *The above warranty applies to regions other than the United States of America.*
United Kingdom — This undertaking is in addition to consumers statutory rights and does not affect those rights in any way.