

CITIZEN®



1. OUTLINE

- **CAL. 6355**

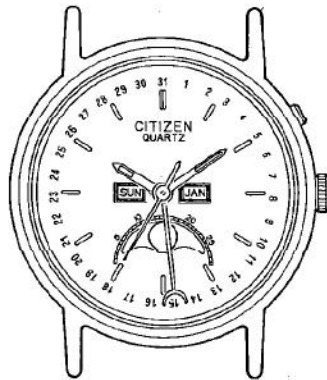
This is an analog multi-hand quartz watch with four hands (hour, minute, second and date) and two small hands (day and month).

- **CAL. 6350**

This is an analog multi-hand quartz watch having the age-of-the-moon indicator in the direction of 6 o'clock as well as the functions of CAL. 6355.

- **CAL. 6380**

This is an analog multi-hand quartz watch having the functions of CAL. 6350 and indicating the day and month in windows.



(CAL. 6380)



(CAL. 6350)

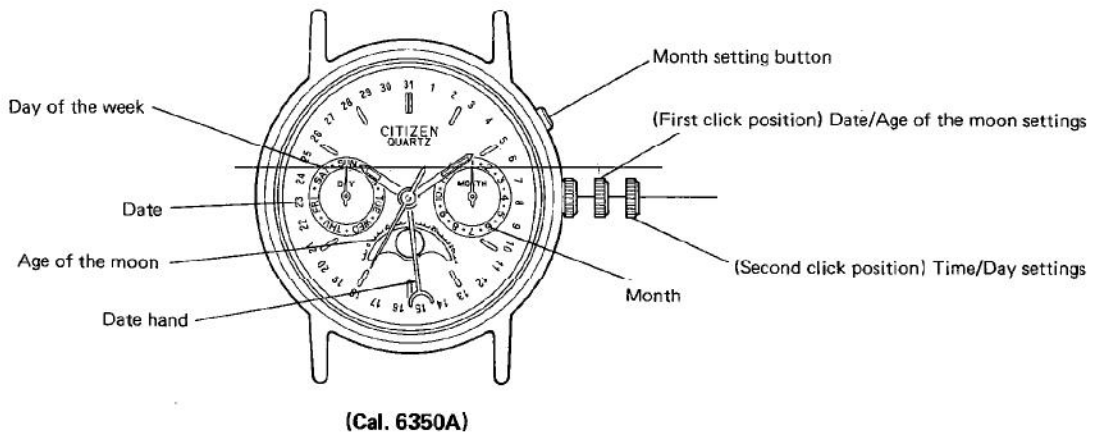


(CAL. 6355)

2. SPECIFICATIONS

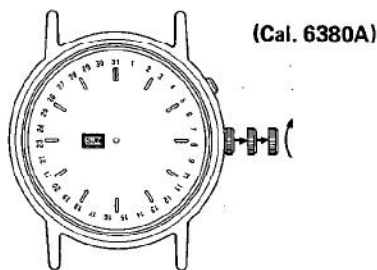
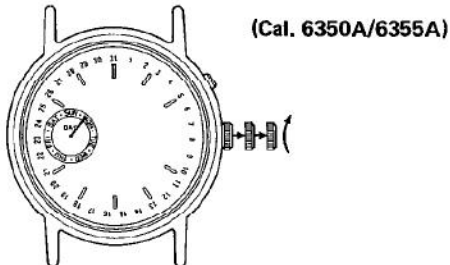
Cal. No.	6355A-00	6350A-00	6380A-00
Type	Analog quartz watch (Multi-hand)		
Module size (mm)	φ23.3 x 22.6 x 22.6 Thickness: 3.5		φ23.3 x 22.6 x 22.6 Thickness: 3.8
Accuracy	±20 sec/month at normal temperature		
Oscillation	32 768 Hz		
Integrated circuit	C/MOS-LSI (1 unit)		
Effective temp. range	-10°C ~ +60°C (14°F ~ 140°F)		
Converter	Bipolar step motor		
Adjustment of time rate	DFC (without adjustment terminal)		
Measurement of time rate	10 seconds		
Additional functions	Date display (with quick setting device)	Yes (Longest center hand)	
	Day display	Yes (Small hand)	Yes (Window)
	Month display (with quick setting device)	Yes (Small hand)	Yes (Window)
	Indication of the age of the moon (with quick setting device)	No	Yes (Age of the moon dial rotating one turn every 59 days)
	Power saving switch	Yes	
	Second hand stopping device	Yes	
Power cell	Part No.	280-34	
	Cell No.	SR621SW	
	Size (mm)	φ6.8 x 2.1	
	Voltage	1.55V	
	Capacity	18 mAH	
	Lifetime	Approx. 2 years	
Current consumption	1.2 μA max. (Module)		
Coil resistance	2.1 kΩ ~ 2.5 kΩ		

3. NAME AND FUNCTION OF EACH PART



3-1. Setting each indication

a. Setting the day



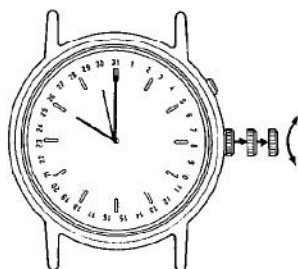
- Set the day by pulling out the crown to the second click position and rotating it forward (to rotate the hour and minute hands clockwise).

If the day is set by rotating the crown backward (rotating the hour and minute hands counter-clockwise), the date may not be changed.

Note:

The day is changed during the period from about 0:00 am to about 5:30 am.

b. Setting the normal time

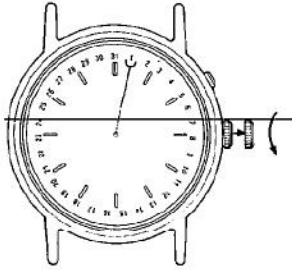


- Pull the crown out to the second click position when the second hand reaches the 12 o'clock position so that the second hand stops there. Then set the hour and minute hands. When setting the minute hand, first advance it by 4 to 5 minutes from the time it is to be set to, and then turn it back to the correct time.

Note:

Set the watch to a time am or a time pm correctly. (The day is changed during the period from about 0:00 am to about 5:30 am. After the time is set, push the crown back simultaneously with the time signal. The second hand will start running at the same time.

c. Setting the date

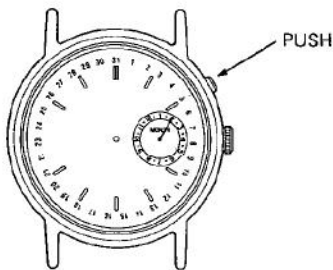


- Pull the crown out to the first click position and set the date quickly by rotating the crown backward.

If the date is set quickly between around 9:00 pm and around 0:00 am, the date will not change correctly the next day.

d. Setting the month

(Cal. 6350A/6355A)

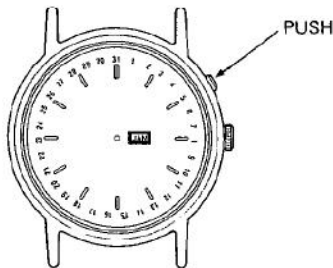


- Each time the month setting button is pushed, the month is moved clockwise by one month. If the button is not pushed to the end, the month is not changed perfectly. Be sure to press firmly.

Notes:

- Do not change the month while the date hand lies between the 26th and the 31st. Move the date hand out of this period to set the month. After this operation, set the date hand again.

(Cal. 6380A)



- When the time passes from a end of short months (less than 31 days) to a 31-day month the month hand needs to be corrected. If the date hand is changed, the month is also changed automatically.

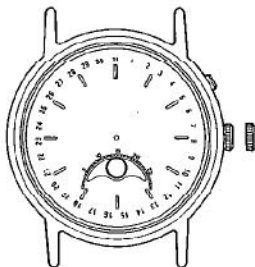
(Cal. 6350, 6355)

- The month starts changing at about 0:00 am on the 31th and finishes changing at about 0:00 am on the 1st of the next month. (The month is kept between this month and the next month during 31th.)

(Cal. 6380)

- The month changes around midnight of the 31st.

e. Setting the age of the moon and how to read it.



How to set and read age of the moon (Cal. 6350/6380)

- * This function indicates the age of the moon, but does not display the shape of the moon.
- * Use the moon dial only as a guide to the age and phase of the moon when reading and setting the watch.

1) Setting the age of the moon

- In case the watch is equipped with the age of the moon scale

(1) Confirming today's or tomorrow's age of the moon

Check today's or tomorrow's age of the moon with a newspaper.
If tomorrow's age of the moon is found, subtract one day from it.

(2) Setting the age of the moon (Example: age of the moon: 4.4)



Pull the crown out to the first click position and rotate the moon mark clockwise until the center of the moon comes to around the position of 4.4 of the age of the moon scale.

- In case the watch is not equipped with the age of the moon scale

In this case, when the age of the moon shown in a newspaper, is 0, 7, 15 or 22, set the moon mark to the corresponding position of the age of the moon as shown in 2) "How to read the age of the moon" below.

The age of the moon can be set more accurately if it is set when it is 0 (New moon) or 15 (Full moon).

2) How to read age of the moon (Example of indication)

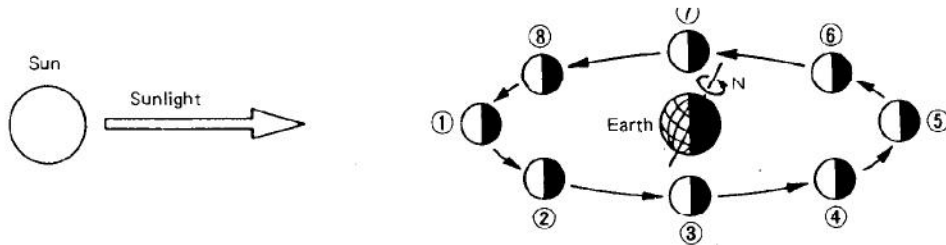
1	New moon Age of the moon: 0 (Spring tide)	3	First quarter moon Age of the moon: Approx. 7 (Neap tide)
5	Full moon Age of the moon: Approx. 15 (Spring tide)	7	Last quarter moon Age of the moon: Approx. 22 (Neap tide)

- * The level of the tide can be seen from the indicated age of the moon.
- The age of the moon can be set more accurately if it is set when it is the New moon (the moon mark cannot be seen at all — Age of the moon: 0) or the Full moon (the moon mark is at the top (position of 12 o'clock) — Age of the moon: 15).

3) What is the age of the moon

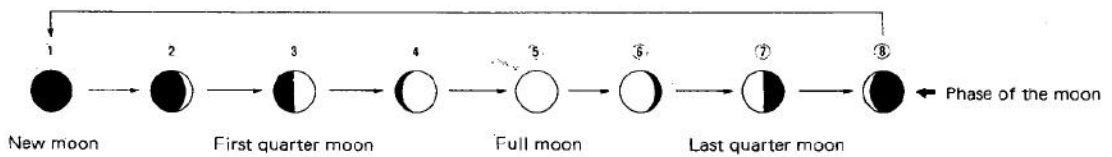
- Waxing and waning of the moon

The waxing and waning of the moon are caused by the change of the positions of the sun and moon viewed from the earth.



When the moon is at position (1) shown above (the sun and moon are in the same direction), the moon viewed from the earth is illuminated from its back. The moon is called the new moon at this time.

The moon can be seen at various positions as shown below.



The moon waxes and wanes repeatedly in order of (1) – (8) – (1).

- The age of the moon

The age of the moon is indicated in units of days. The average period from a new moon to the next new moon is equivalent to about 29.5 days.