MOVEMENT SPECIFICATIONS

CAL.0S1A

13-1/2 LINGE, 3 EYES AND *HIGH HAND* CHRONOGRAPH ANALOGUE QUARTZ, 0 JEWEL

BY CITIZEN WATCH CO., LTD. JAPAN
MANUFACTURED IN JAPAN

1. BASIC SPECIFICATIONS

(1) Cal. No.

*TO CONFIRM WITH MOV'T DRAWING ATTACHED

CALIBRE	0S1A
Ligne Size*mm	**13-1/2 Φ30.80mm**
Date	**O**
Total height	**4.13MM**
Battery life	**Approx. 5 years***
Battery	**SILVER OXIDE SR927W** or equivalent

(* 60 minutes chronograph operation per day)

(2) Time standard

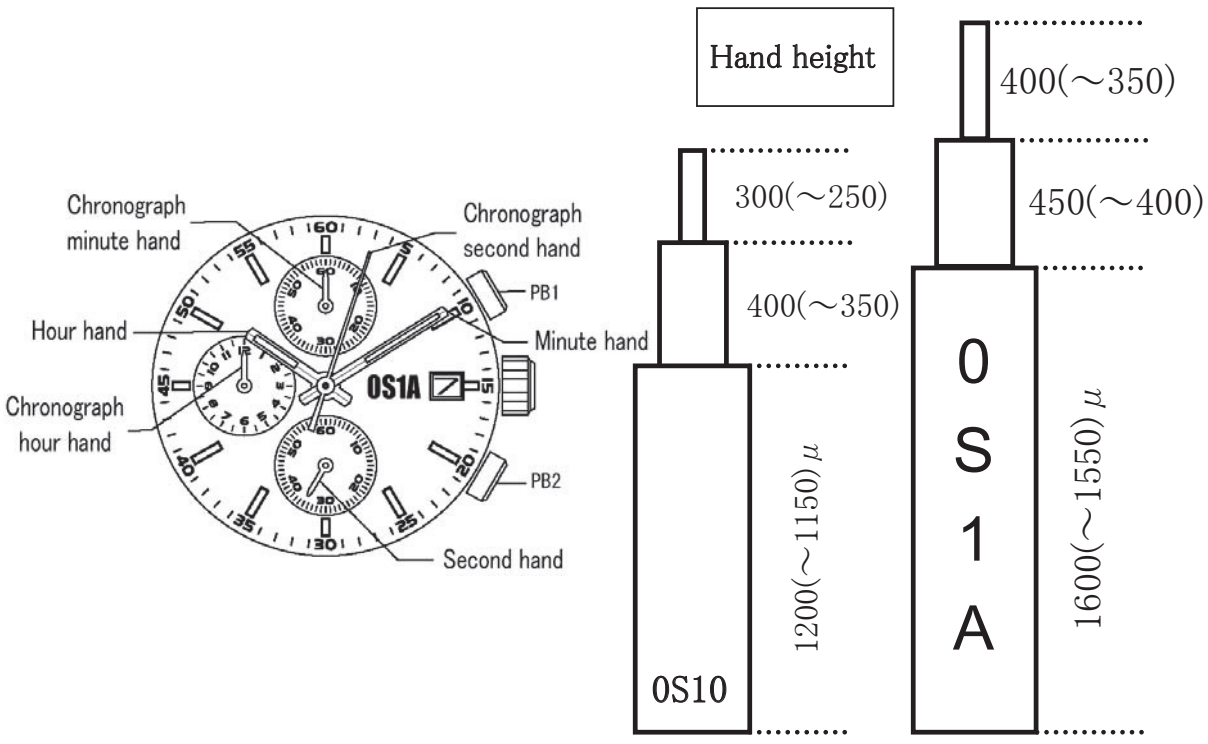
Type of quartz : Tuning fork type quartz crystal
Frequency : 32,768Hz
Accuracy : **+/-20 s/month** worn under normal circumstances

(3) Balanceable weight of hand

Minute hand Max. 0.4 μN.m
Center Chrono Second hand Max. 0.11 μN.m
Other small hands Max. 0.02 μN.m

(4) Function

Chronograph 1/1 sec. basis (Up to 11 hour 59 min. 59 sec.)
Powercell Saving Reset Mechanism(PSRM)
Over-loading Compensation Device(OLCD)
Digital Frequency Control(DFC) for time adjustment



2. SEPARATED PARTS

Setting stem x1

Code	065-453
Length from movement center to far end of setting stem	23.00mm
Thread.....	Φ0.9mm x 8.50mm

3. OTHERS

*** Measurement of time rate**

The unit(gate) time of measurement must be set at "10 sec." or integer fold value of 10 sec. owing to the DFC system, and the measurement must be performed in the form of complete watch.

*** Marking on movement**

JAPAN
MIYOTA CO.
(CAL. NO.)
NO JEWELS

*** Typical clearance**

Mov't - Caseback	minimum 150 microns
Top of hands - Glass	300 - 400 microns *

* subject to the glass, case structure, and the length of hand

*** Note**

Please use aluminum material hand for Chrono second hand

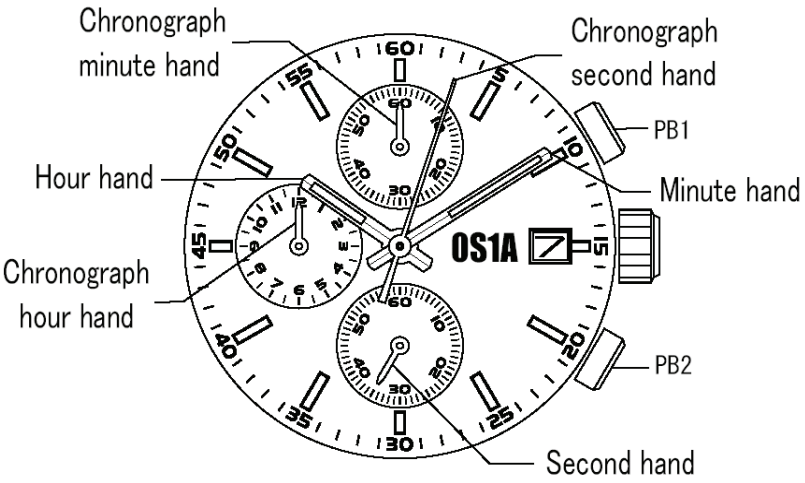
*** TACHYMETER**

The tachymeter is the device which measures the speed of an automobile. Knowing is how many seconds the car covers a distance of 1km, the meter can measure the approximate average speed per hour during a journey (up to the maximum measurable range of tachymeter is 60 seconds.)

If the chronograph is started at the same time as measurement, and stopped after 1 km, the average speed per hour can be determined according to the position of the second hand. If the car covers the distance of 1km in 45second, the average hourly speed during the journey will be about 80 km.

4. INSTRUCTION MANUAL

A) DISPLAYS AND BUTTONS



B) SETTING THE TIME

1. Pull the crown out to the 2nd Click Psition.
2. Turn the crown to set hour and minute hands.
3. When the crown is pushed back to the normal position in synchronization with a time signal, small second hand begins to run.

C) SETTING THE DATE

1. Pull the crown out to the 1st Click Position.
2. Turn the crown counterclockwise to set the date.
   * If the date is set between the hours of around 9:00 PM and 1:00 AM, the date may not change on the following day.
3. After the date has been set, push the crown back to the normal position.

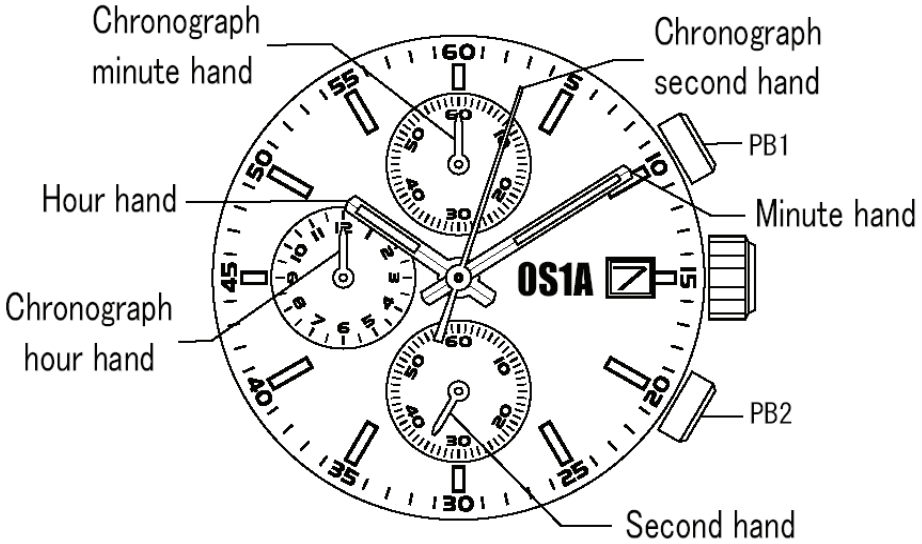
D) USING THE CHRONOGRAPH

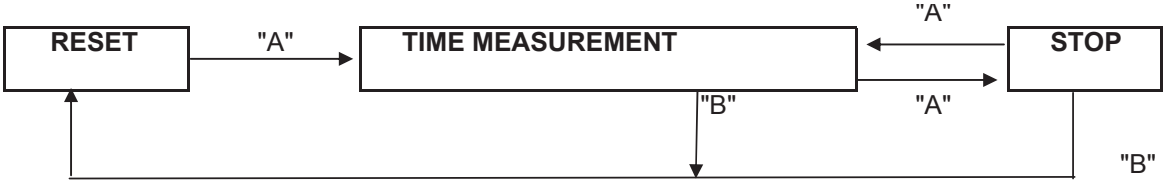
This chronograph is able to measure and display time in 1/1 second united up to maximum of 12 hours.

Measuring time with the chronograph

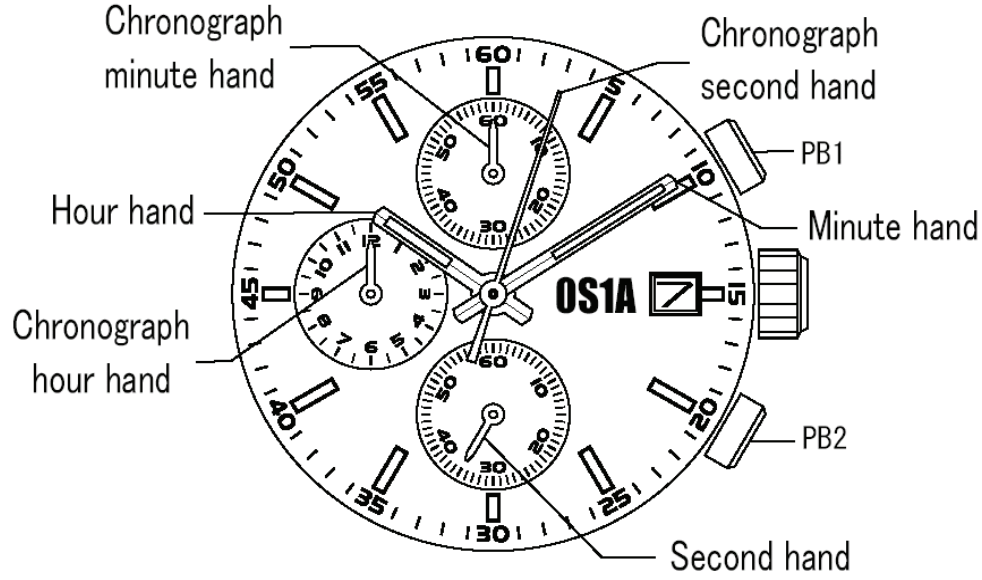
1.The chronograph can be started and stopped each time button"A" is pressed.

2.Pressin button"B" resets the chronograph and all chronograh hands return to their 0 position.





E) CHRONOGRAPH RESET (INCL. AFTER REPLACING BATTERY)
This procedure should be performed when the chronograph second hand do not return to the 0 second position after the chronograph has been reset, and including after the battery has been replaced.



1. Pull the crown out to the 2nd position.
2. Press button "A" to set the chronograph second hand to the 0 position.
3. The chronograph hands can be advanced rapidly by continuously pressing button"A".
4. Once the hands have been zeroed, reset the time and return the crown to its normal position.

* Do not return crown to normal position while chronograph second hand return to 12:00 (ZERO) position.
Hand stops on the way when crown are returned to normal position and these positions are recognized as 12:00 (ZERO) position.

These specifications might be changed without prior notice.