MOVEMENT SPECIFICATIONS

CAL.FS03/04

10-1/2 LIGNE, 3 EYES CHRONOGRAPH WITH *HIGH HAND*

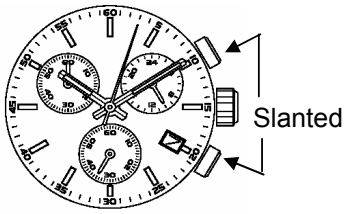
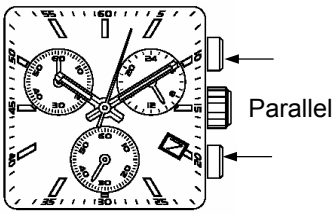
ANALOGUE QUARTZ, 0 JEWEL

MANUFACTURED IN JAPAN

1.BASIC SPECIFICATIONS

(1) CaL. No.

*TO CONFIRM WITH MOV'T DRAWING ATTACHED

CALIBRE	FS03	FS04
PUSHER	SLANTED	PARALLEL
Ligne Size*mm	10-1/2 Φ 23.7X22mm (3H-9H)	
Date	O	
Total height	4.15mm	4.28mm
Figure (push button placed angle)	 FS03 *Eye position is the same as FS00	 FS04 *Eye position is the same as FS01
Battery & Life	SR626SW 2YEARS*	

* based on 1 hour/day chronograph use

(2) Time standard

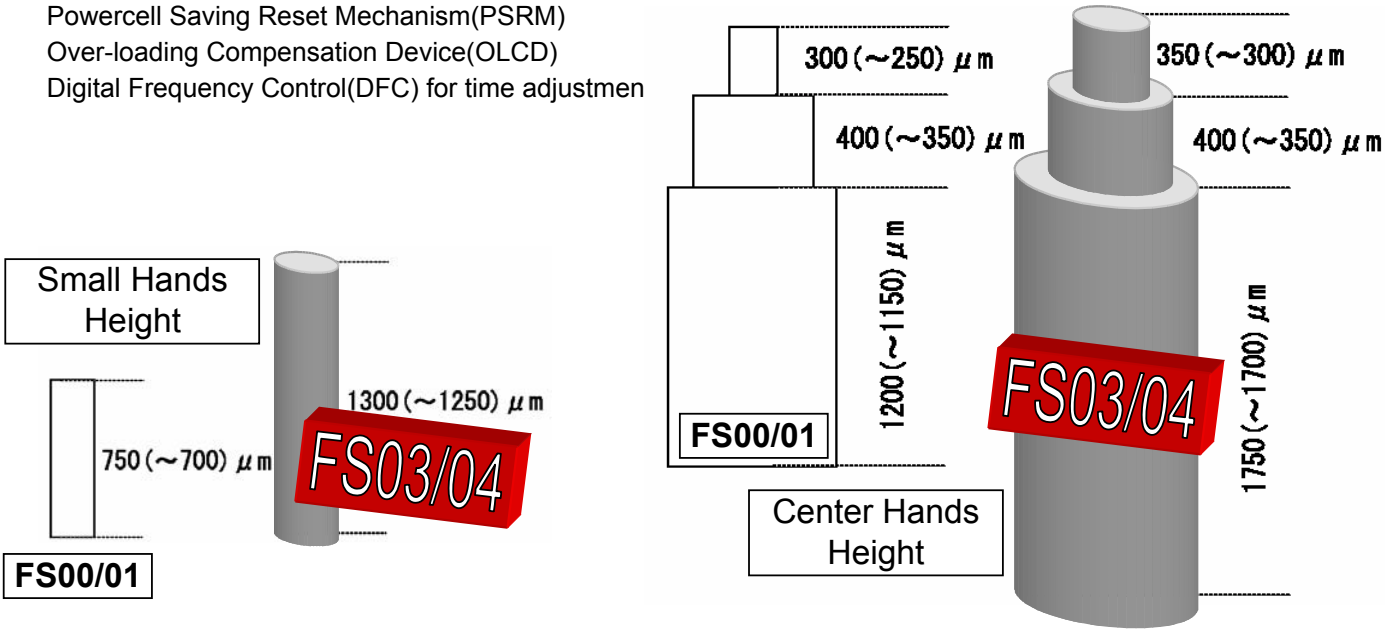
Type of quartz : Tuning fork type quartz crystal
Frequency : 32,768Hz
Accuracy : **+/-20 s/month** worn under normal circumstances

(3) Balanceable weight of hand

Minute hand Max. 0.4 μN.m
Second hand Max. 0.035 μN.m
Other small hands Max. 0.02 μN.m

(4) Function

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



2.SEPARATED PARTS

Setting stem x1

Code	065-549
Length from movement center to far end of setting stem	20.00mm
Thread.....	Φ0.9mm x 9.06mm

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.
FS03/04
NO JEWELS

*** Typical clearance**

Mov't - Caseback	minimum 200 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

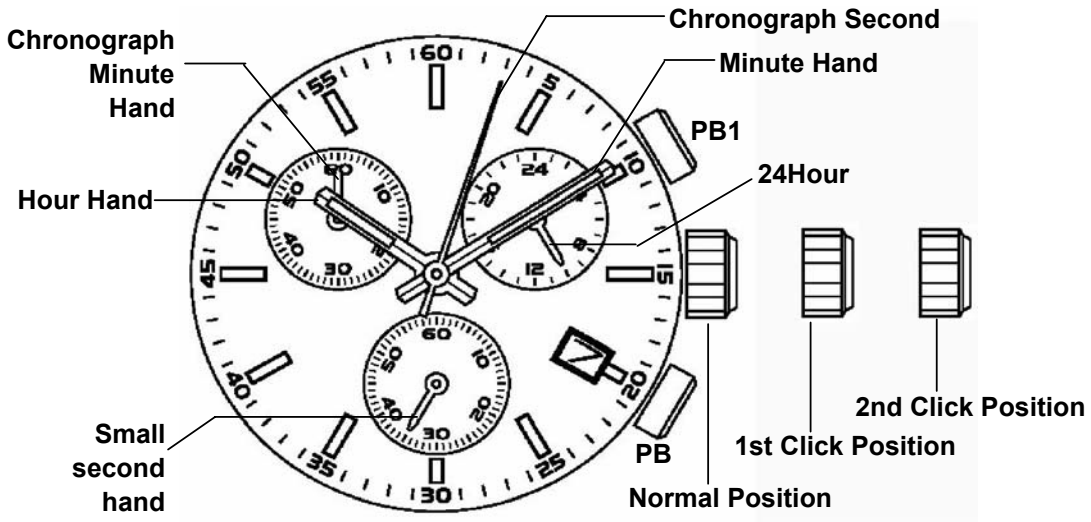
*** TACHYMETER**

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 maxinum 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 45 seconds, 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 to the 2nd Click Position.
2. Turn the crown to set the hour and minute hands.

C) SETTING 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.

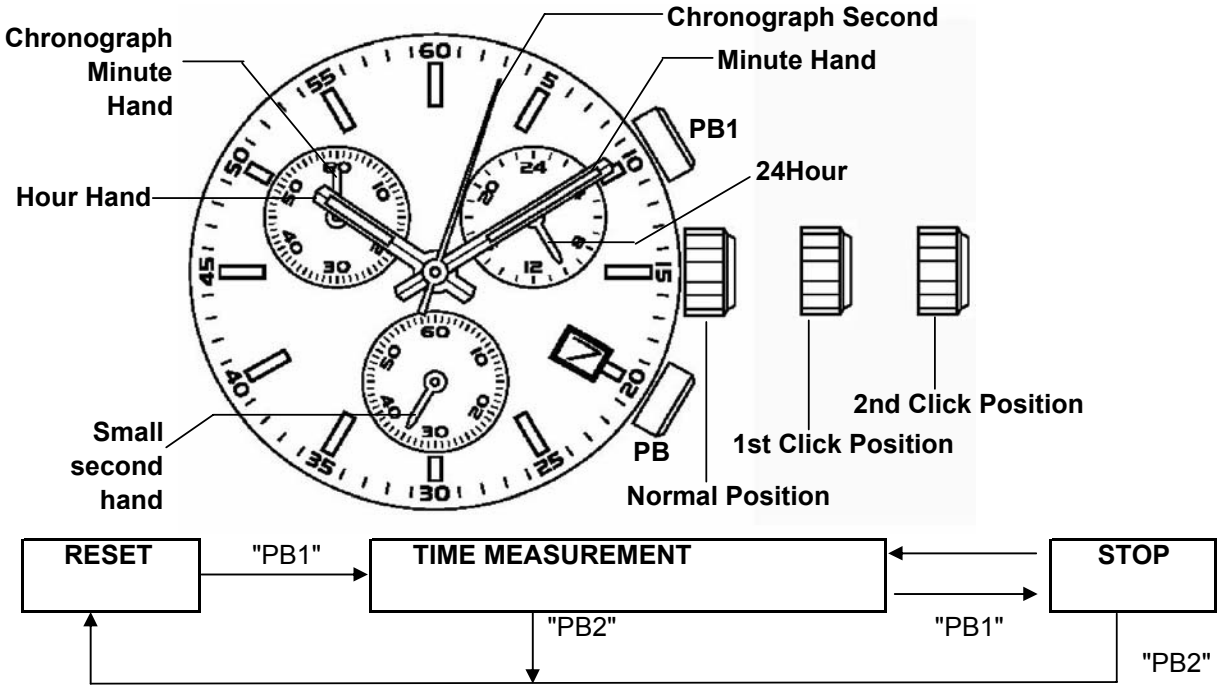
1. Pull the crown to the 1st Click Position.
2. Turn the crown by clockwise to set the date.
3. After the date has been set, push the crown back to the normanl position.

D) USING THE CHRONOGRAPH

This chronograph is able to measure and display time in 1/1 second united up to maxinum of 1 hour.

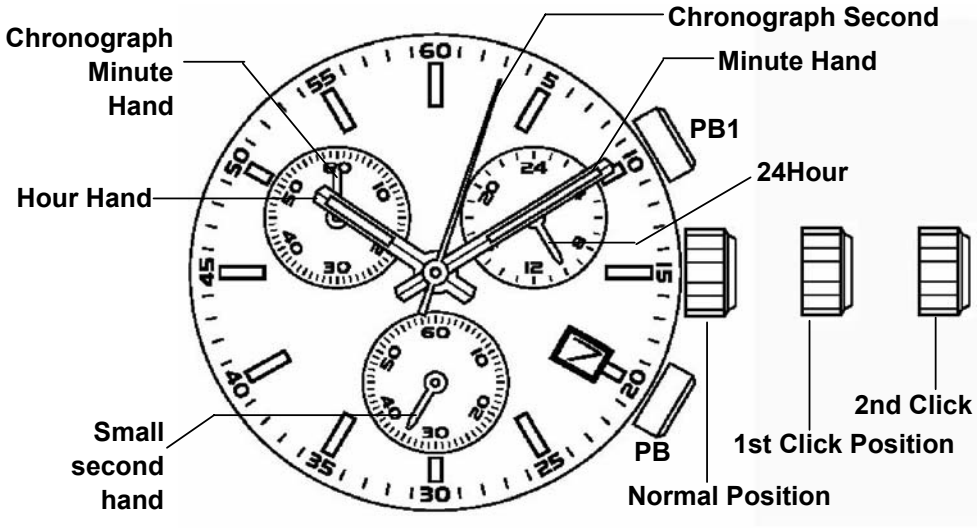
Measuring time with the chronograph

1. The chronograph can be started and stopped each time button "PB1" is pressed.
2. To reset, press button "PB2" and the chronograph second & minute hands return to the 0 positions.



E) CHRONOGRAPH RESET (INCL. AFTER REPLACING BATTERY)

This procedure shoud 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 to the 2nd Click Position.
2. Press the button "PB1" once to set the chronograph second hand ahead one scale, or keep pushing to set the chronograph second hands quickly.
3. Once the chronograph second hand has 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.