



Miyota 5L81 Movement Parts (1)

Compiled by EmmyWatch - <https://www.emmywatch.com>

MOVEMENT SPECIFICATIONS
CAL. 5L81 BY CITIZEN WATCH CO., LTD. JAPAN
ANALOG SOLAR CELL MOVEMENT
MADE IN JAPAN

1. BASIC SPECIFICATION

(1) CAL. NO.

CALIBRE	5L81
Size	Φ 30.80mm
Total thickness	5.01mm*
Hands	3
Date	x

*THICKNESS including solar cell

(2) CAPACITOR (Not Battery)

MT lithium ion-rechargeable Battery

***** No standard battery should be placed. *****

(3) Solar cell

Type : Amorphas Silicon Solar-cell

(4) Time standard

Type of oscillator: Turning fork type quartz crystal

Oscillation : 32,768Hz

Accuracy : ±30 sec/month worn under normal circumstances.

(5) Duration of Operation

After full-charge, the watch can run for **about 5 MONTHS** without the solar-cell dial being exposed to the light and/or sun.

Before use, The watch should be fully charged and the time reset correctly.

(6) Additional functions

Second hand stopping device (for reset and power-saving)

Quick start position (within 10 seconds under 500 Lux*)

* when the rate of transparency of dial is 100%

Overcharge prevention device (at over 2.60 voltage)

Recharge warning function (second hand moves at 2-second intervals under 1.25 voltage in capacitor)

Time setting notification (second hand moves irregularly / 1sec - 1sec - 2sec)

(7) Balanceable weight of hands

Minute hand Max 40mg - mm

Second hand Max 7mg - mm

(8) Separated parts

Transparent dial 311-120
Setting stem (x1) 065-444

* Setting stem
065-444

Length of movement center to stem end.... 22.00mm
Thread 0.9Φ mm x 9.50mm

(9) Marking on movement

NO JEWELS
5L81
MIYOTA CO., JAPAN

(10) Typical clearance

Between case and movement

Battery strap - case back : Typical 150μ (without battery strap)

Hand - grass : 300μ ~ 400μ *

* Depending on hand Length

(11) Charging time (Less than 50% of Rate of Transparency must be avoided)

Rate of Transparency of dial ----- 100% (No printing on dial)

	For Full-Charge	For One day operation
In ordinary office (500 Lux)	242.0 hours	1.4 hours
Cloudy day-out side (10,000 Lux)	15.7 hours	5.7 minutes
Direct sunshine in summer time (100,000 Lux)	8.3 hours	3.0 minutes

Rate of transparency of dial ----- 70%

	For Full-Charge	For One day operation
In ordinary office (500 Lux)	345.0 hours	2.0 hours
Cloudy day-out side (10,000 Lux)	22.4 hours	8.1 minutes
Direct sunshine in summer time (100,000 Lux)	11.9 hours	4.3 minutes

The specification might be changed without notice.