

TECHNICAL INFORMATION

CITIZEN QUARTZ

Cal. No. A234

Cal. No. A239

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§1. OUTLINE

This watch is a ladies' solar power watch. It has a solar cell on its dial that converts the light energy into electrical energy to drive its mechanism.

§2. SPECIFICATIONS

| Caliber NO. | | A234 | A239 |
|----------------------------------|----------|---|----------------|
| Type | | Analog solar power watch (Three hands) | |
| Movement size (mm) | | ø23.3 × 2.8t | |
| Accuracy (at normal temperature) | | ±20 sec/month (+5°C~+35°C/41°F~95°F) | |
| IC | | 1 unit of C/MOS-LSI | |
| Operating temperature | | -10°C~+60°C (14°F~140°F) | |
| Converter | | Bipolar step motor | |
| Time adjustment | | No adjustment terminal for use in market | |
| Time Measurement gate | | 10 sec. | |
| Additional functions | | Quick start | |
| | | Insufficient charge warning | |
| | | Hands setting warning | |
| | | Overcharging prevention | |
| Secondary battery | Part NO. | 295-37 | |
| | Code | MT621 | |
| | Remarks | Secondary battery block (With welded lead plate) | |
| Case structure | | Case back fitting type (Snap type, screw type, etc.) | One-piece type |

3. HANDRING OF WATCH

Handling and precautions for use of the watch, except "Time required for charge", are the same as those of CAL. A13* which have been issued. See the Technical Information "Cal. A134/A139".

Time required for charge

Time required for recharging may vary according to the design (color of the dial, etc.) and operating environment.

The following table is as a rough reference.

* The recharging time is the time when the watch is continuously exposed to radiation.

| Illuminance (lux) | Environment | Time required | | |
|-------------------|--|--|---------------|-----------------------|
| | | From the stop state to the one second movement | One day usage | Empty to full |
| 500 | Inside an ordinary office | 7 hours 30 minutes | 1 hour | 70 hours |
| 1000 | 60-70 cm under a fluorescent light (30W) | 4 hours | 30 minutes | 35 hours |
| 3000 | 20 cm under a fluorescent light (30W) | 1 hour 20 minutes | 10 minutes | 12 hours |
| 10000 | Exterior, cloudy | 30 minutes | 5 minutes | 5 hours |
| 100000 | Exterior, summer sunny | 5 minutes | 2 minutes | 3 hours 30 minutes |

Full recharging timeThe time for fully recharging from stopped.
(Empty to full)

Oneday usage.....The time required for the watch to run for one day with one second interval movement.

§4. PRECAUTION FOR DISASSMBLY AND ASSEMBLY OF MOVEMENT

The basic structure of the movement is the same as that of CAL. A13* which have been in the market.

Precautions for disassembly, assembly, and handling of the movement, see Technical Information "Cal. A134/A139".

< Correction >

Please correct the following error in Technical Information "Cal. A134/A139".

Place of error§2. SPECIFICATIONS – Secondary battery, page 1

Error.....Part No.: 295-72

Correct.....Part No.: 295-37