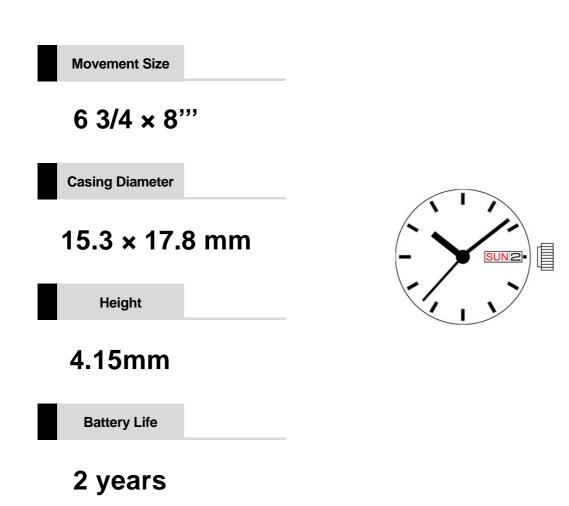


Watch Movement Specification and Drawing

## CALENDAR

# Cal. AL83A



## Cal. AL83A

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### Analog Quartz 6 3/4 × 8" Calendar Series Movement / Three Hands (H/M/S) with Day/Date

#### 1. MOVEMENT DIMENSIONS Outside diameter $16.30 \text{mm}(3-9\text{H}) \times 18.20 \text{mm}(12-6\text{H})$ Casing diameter 15.30mm(3-9H) × 17.80mm(12-6H) Total height 4.15mm (including battery) 2. TIME STANDARD Type of quartz oscillator Tuning fork Frequency of quartz oscillator 32,768 Hz Accuracy ±20 seconds per month (on wrist) Operating temperature range $-5^{\circ}$ C to $+50^{\circ}$ C Regulation device Nil (Pre-adjusted) 3. INDICATOR / FUNCTIONS 3 Hands Hour / Minute / Second Day / Date Instant setting device for day / date calendar Reset switch Setting mechanism Crown at normal position : Free Crown pulled out 1st click : Instant day / date change Crown pulled out 2nd click : Time setting / Reset 4. FEATURES Jewels 0 Jewels Anti-magnetism Over 1600A/m (Direct current magnetic field) Maximum unbalance of hands Second hand : 0.06 µ N•m Minute hand : 0.6 µ N•m Hour hand : 0.5 µ N•m 5. BATTERY Type / Size Silver oxide battery $/\phi 6.8$ mm × t 2.6mm Recommended battery SR626SW Nominal voltage 1.55 V Battery life Approx. 2 years Driving current consumption Approx. $1.5 \mu A$ Operation stopping voltage 1.1 V 6. SEPARATED PARTS (Parts code) 0351177 Hand setting stem SR626SW Battery 7. TEST OF ACCURACY Equipment to be used SEIKO guartz tester QT-99, Greiner guartz timer-C, Witschi Q-tester 4000 Duration of measurement 10 seconds Microphone to be used Electromagnetic detection type All specifications are subject to change without notice.

