

Watch Movement Specification and Drawing

MULTI - FUNCTION

Cal. VX9NE

Movement Size

12 3/4'''

Casing Diameter

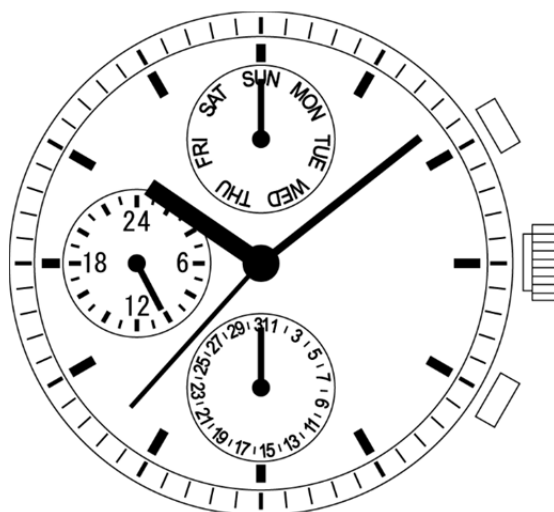
Ø 28.6mm

Height

3.99mm

Battery Life

3 years



**Analog Quartz 12 3/4" Movement / 3 hands (H/M/S) and 3 eyes
with Day / Date / 24 Hour indicators**

1. MOVEMENT DIMENSIONS

Outside diameter	$\phi 29.50\text{mm} \times 26.00\text{mm}(3\text{-}9\text{H}) \times 29.36\text{mm}(12\text{-}6\text{H})$
Casing diameter	$\phi 28.60\text{mm} \times 25.60\text{mm}(3\text{-}9\text{H}) \times 28.60\text{mm}(12\text{-}6\text{H})$
Total height	3.99mm (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°C to $+50^{\circ}\text{C}$
Regulation device	Nil (Pre-adjusted)

3. INDICATOR / FUNCTIONS

3 Hands	Hour / Minute / Second								
3 Small hands	Day(12H) / Date(6H) / 24 Hour(9H)								
Reset switch									
Setting mechanism	<table> <tr> <td>Crown at normal position</td> <td>: Free</td> </tr> <tr> <td>Crown pulled out 1st click</td> <td>: Time setting / Reset</td> </tr> <tr> <td>2H button</td> <td>: Day change</td> </tr> <tr> <td>4H button</td> <td>: Date change</td> </tr> </table>	Crown at normal position	: Free	Crown pulled out 1st click	: Time setting / Reset	2H button	: Day change	4H button	: Date change
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4. FEATURES

Jewels	0 Jewels								
Anti-magnetism	Over 1600A/m (Direct current magnetic field)								
Maximum unbalance of hands	<table> <tr> <td>Second hand</td> <td>: $0.1 \mu \text{N}\cdot\text{m}$</td> </tr> <tr> <td>Minute hand</td> <td>: $0.9 \mu \text{N}\cdot\text{m}$</td> </tr> <tr> <td>Hour hand</td> <td>: $0.9 \mu \text{N}\cdot\text{m}$</td> </tr> <tr> <td>Day hand</td> <td>: less than $0.008 \mu \text{g}\cdot\text{m}^2$</td> </tr> </table>	Second hand	: $0.1 \mu \text{N}\cdot\text{m}$	Minute hand	: $0.9 \mu \text{N}\cdot\text{m}$	Hour hand	: $0.9 \mu \text{N}\cdot\text{m}$	Day hand	: less than $0.008 \mu \text{g}\cdot\text{m}^2$
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Moment of Inertia									

5. BATTERY

Type / Size	Silver oxide battery / $\phi 9.5\text{mm} \times t 2.7\text{mm}$
Recommended battery	SR927SW (Maxell, Sony, Seizaiken)
Nominal voltage	1.55 V
Battery life	Approx. 3 years
Driving current consumption	Approx. $2.1 \mu \text{A}$
Operation stopping voltage	1.2 V

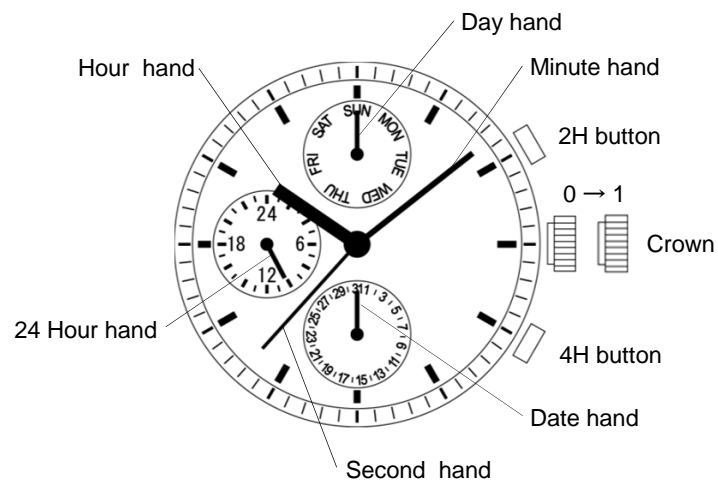
6. SEPARATED PARTS (Parts code)

Hand setting stem	0351578 or 0351177
Battery	SR927SW

7. TEST OF ACCURACY

Equipment to be used	SEIKO quartz tester QT-99, Greiner quartz 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.



	Crown position	
	0 click	1st click
Crown	Free	Time setting
2H button	Day change	
4H button	Date change	

* Do not set the day and date between 9:00 PM and 4:00 AM.
Otherwise, the day and date may not change properly.