

Watch Movement Specification and Drawing

**MULTI - FUNCTION**

# **Cal. VX9PE**

Movement Size

**12 3/4'''**

Casing Diameter

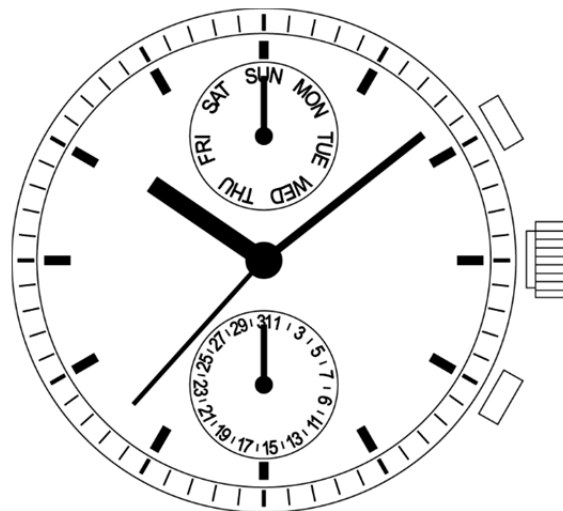
**Ø 28.6mm**

Height

**3.99mm**

Battery Life

**3 years**



**Analog Quartz 12 3/4" Movement / 3 hands (H/M/S) and 2 eyes  
with Day / Date 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	$\pm 20$ seconds per month (on wrist)
Operating temperature range	$-5^{\circ}\text{C}$ to $+50^{\circ}\text{C}$
Regulation device	Nil (Pre-adjusted)

**3. INDICATOR / FUNCTIONS**

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

**4. FEATURES**

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

**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

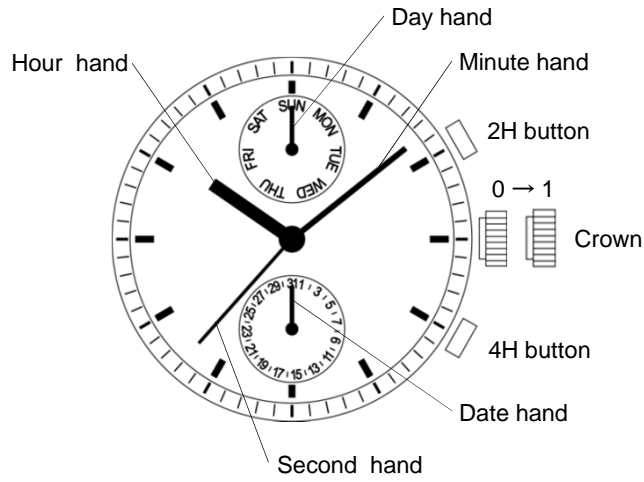
**6. SEPARATED PARTS (Parts code)**

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.