

### Watch Movement Specification and Drawing

# **MULTI - FUNCTION**

# Cal. VX36E

**Movement Size** 

10 1/2""

Casing Diameter

Ø 23.3mm

Height

3.05mm

**Battery Life** 

3 years



Date: 18/Sep./'20

### Cal. VX36E

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Cal.

VX36E

### **Specifications**

Date: 18/Sep./'20

Rev.: 03

### Analog Quartz 10 1/2" Slim Movement / 3 hands (H/M/S) and 2 eyes with Day / Date indicators

#### 1. MOVEMENT DIMENSIONS

Outside diameter  $\phi$  24.00mm × 21.50mm(3-9H) × 21.50mm(12-6H) Casing diameter  $\phi$  23.30mm × 21.30mm(3-9H) × 21.50mm(12-6H)

Total height 3.05mm (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  $-5^{\circ}$ C to  $+50^{\circ}$ C Regulation device Nil (Pre-adjusted)

#### 3. INDICATOR / FUNCTIONS

3 Hands Hour / Minute / Second 2 Small hands Day (9H) / Date (3H)

Reset switch

Setting mechanism Crown at normal position : Free

Crown pulled out 1st click : Instant date change

Crown pulled out 2nd click : Time setting (Day change) / Reset

#### 4. FEATURES

Jewels 0 Jewels

Anti-magnetism Over 1600A/m (Direct current magnetic field) Maximum unbalance of hands Second hand  $: 0.07 \,\mu\,\text{N} \cdot \text{m}$  Minute hand  $: 0.65 \,\mu\,\text{N} \cdot \text{m}$ 

Hour hand : 0.5 µ N⋅m

#### 5. BATTERY

Type / Size Silver oxide battery /  $\phi$  9.5mm × t 2.0mm Recommended battery SR920SW (Maxell, Murata, Seizaiken)

Nominal voltage 1.55 V

Battery life Approx. 3 years Driving current consumption Approx.  $1.6 \mu A$ 

Operation stopping voltage 1.1 V

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

Hand setting stem 0351177 or 0351578

Battery SR920SW

#### 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

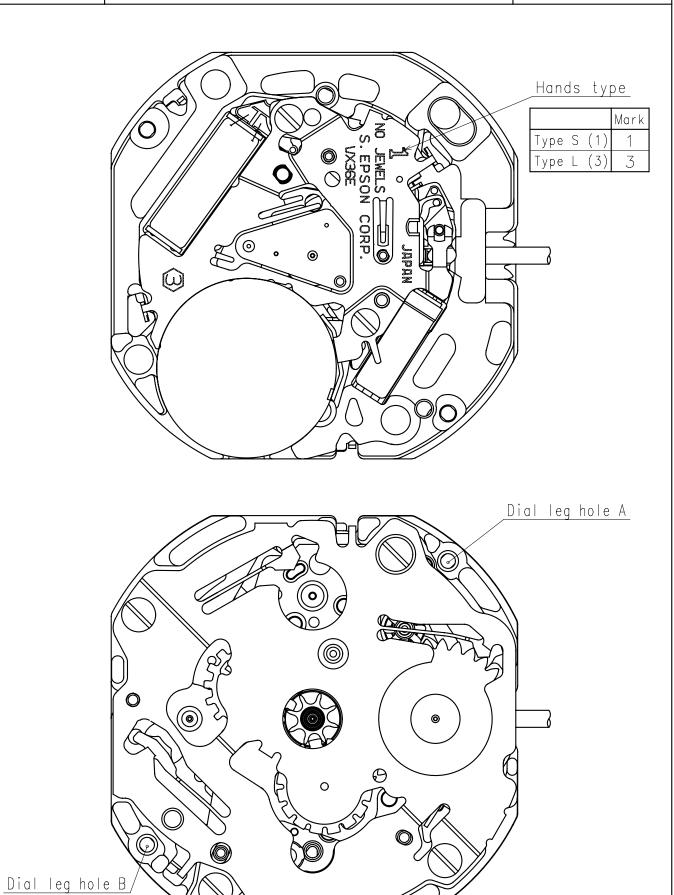
All specifications are subject to change without notice.

Cal. VX36E

Appearance

Date:27/Aug./'14

Rev.:01

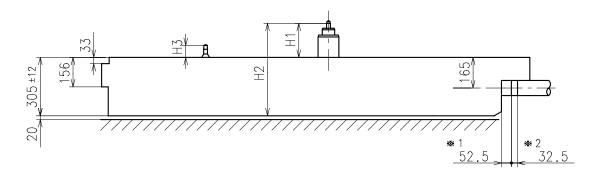


Cal. VX36E

Casing

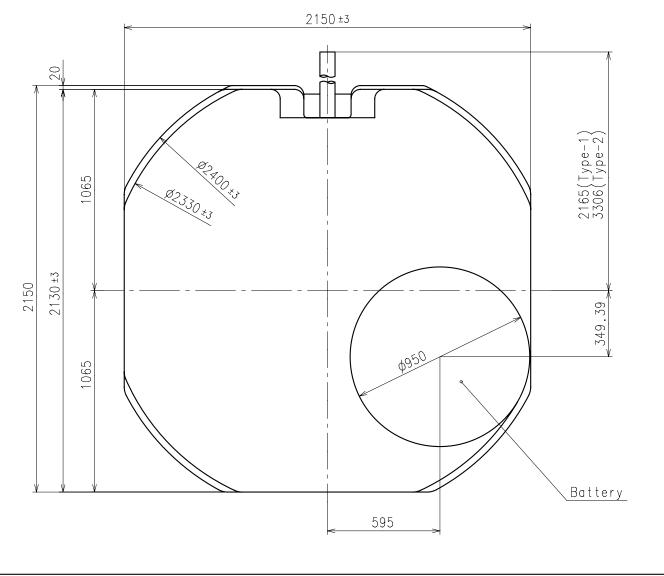
Date:27/Aug./'14

Rev.:01



Center post		Type S (1) VX36E1	Type L (3) VX36E2
Maximum height from dial support	H1	180	242
Total height including movement	Н2	485	547
Maximum height from dial support	Н3	63	111

- **☀**1:First pullout stroke



Unit : 1=1/100mm

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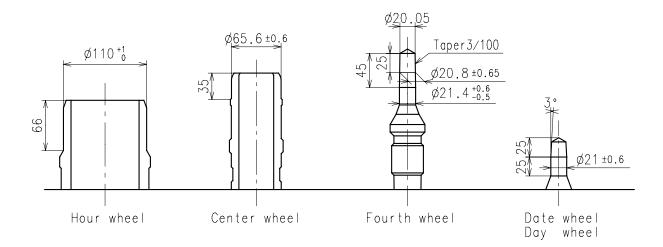
cal. VX36E

# Hand fitting

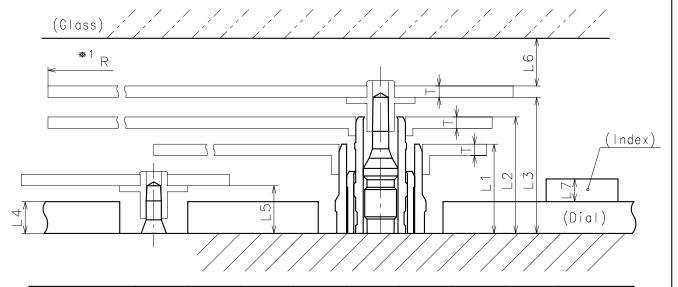
Date:11/Jan./'19

Rev.:03

- \*\* Hour hand unbalance  $\leq 0.5\mu \text{ N} \cdot \text{m} (50\mu \text{ g} \cdot \text{m})$
- \* Minute hand unbalance  $\leq 0.65\mu \text{ N} \cdot \text{m} (65\mu \text{ g} \cdot \text{m})$
- \* Second hand unbalance  $\leq 0.07\mu \text{ N} \cdot \text{m} (7\mu \text{ g} \cdot \text{m})$



	Parts No.				
	Hour wheel	Center wheel	Fourth wheel	Date wheel	Day wheel
Type S (1) VX36E1	0271563	0221575	0241528	0970538	1002546
Type L (3) VX36E2	0271949	0221588	0241559	0970502	1002547



	L 1	L2	L3	L4	L5	L6	L7	Т	*1 R
Type S (1) VX36E1	118	154	180	40	63	MIN: 50	MAX: 30	15	MAX: 1250
Type L (3) VX36E2	171	214	242	90	111	MIN: 50	MAX : 30	15	MAX: 1250

★1:It is the size taken into consideration for hands attachment.

Please observe some standard value specified in unbalance when using long hands.

\*\*The consideration for hands attachment\*\*

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Unit: 1=1/100mm

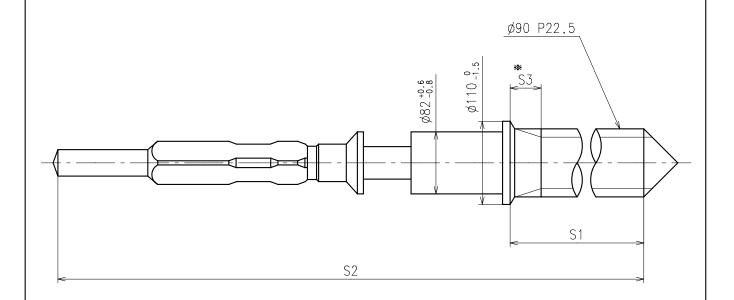
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Cal. VX36E

Hand setting stem

Date:27/Aug./'14

Rev.:01



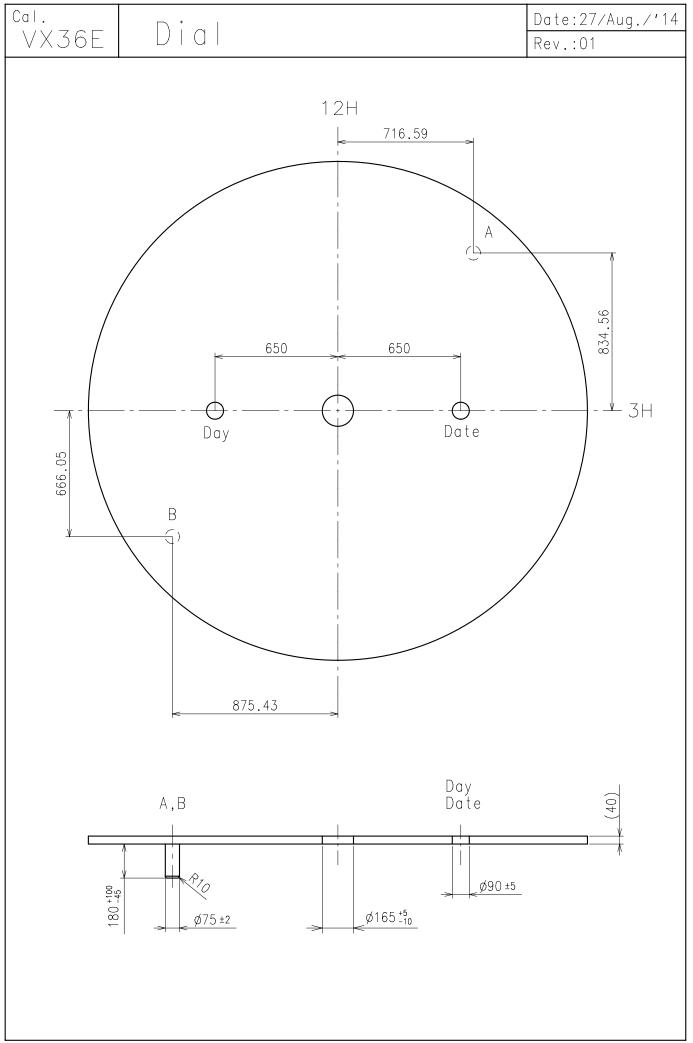
### ≫ Not threaded

	Part No.	S1	S2	<b>*</b> S3
Type-1 (Standard)	0351177	1366	1964	60
Type-2	0351578	2507	3105	650

Material : Steel

Hardness: Vickers 600±50

Unit: 1=1/100mm P. 5



Unit: 1=1/100mm P. 6

Cal. Date: 27/Aug./'14 Casing ring VX36E Rev.:01 12H 500 100 5. В 009 3H 2040 ±5 R100 2130 ±3 2140 ±3 2160±3 2150±3 C view A-A' section B-B' section D view Ø2410 ±5 Ø2336 ±3 9 ∓2 200 ±5 55 ±5 85 ±5 Ÿ

500±5 60±3 60±3 400±5 20 400±5

Ρ.

Unit : 1=1/100mm

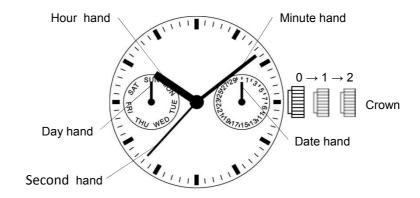
Cal.

VX36E

## Operation

Date: 27/Aug./'14

Rev.: 00



		Crown position			
_	0 click		1st click	2nd click	
	Crown	Free	Turn counterclockwise for date change	Time setting (Day change)	