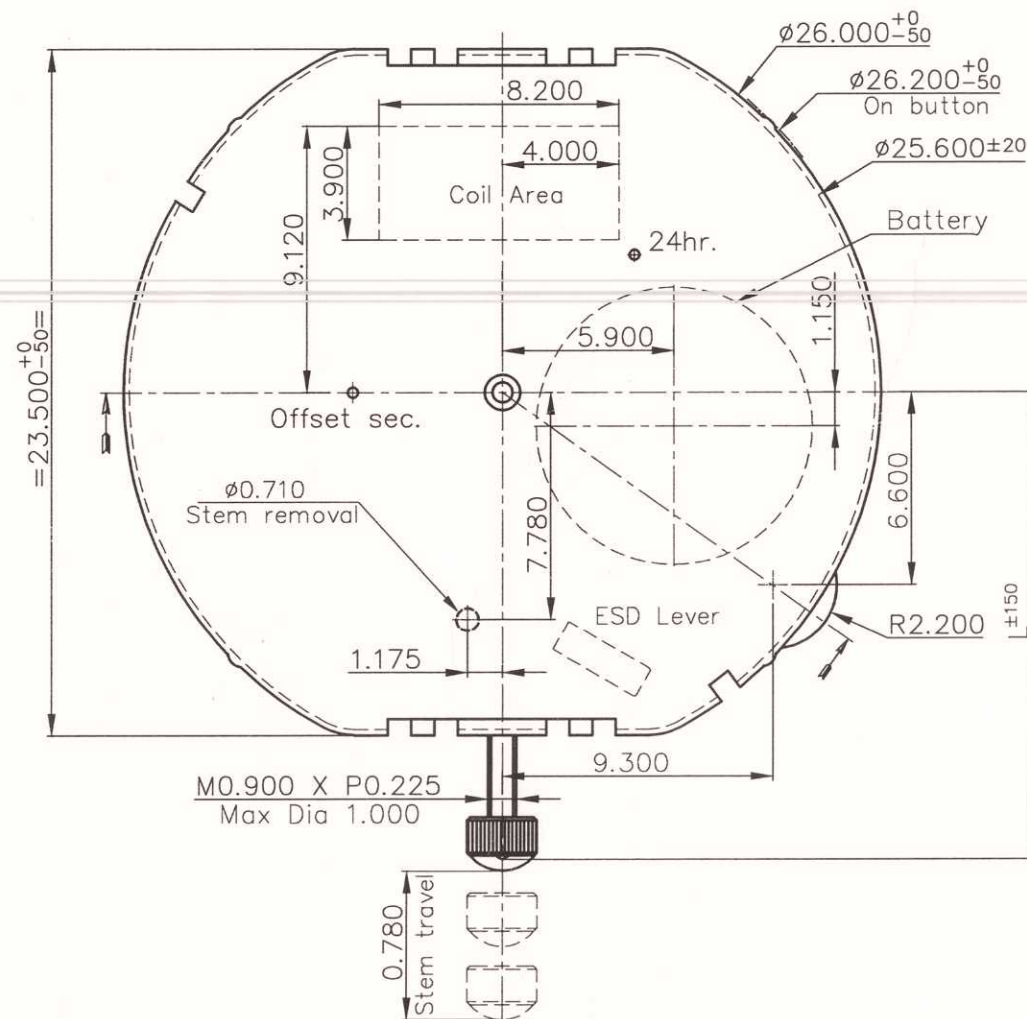




An analog clock face with two sub-dials. The main dial has an hour hand pointing to 10 and a minute hand pointing to 8. The top-left sub-dial has a hand pointing to 10. The bottom-right sub-dial has a hand pointing to 1.

Hand fitting dimensions



Technical drawing of a hand dial assembly. The drawing shows a cross-section of the dial with various dimensions and labels. The dimensions are as follows:

- Offset Sec / 24Hr: $\phi 0.180^{+6}_{-4}$
- Hand top: E
- Hand bottom: F
- Dial: $\phi 1.200^{+4}_{-2}$
- Dial thickness: $\phi 0.700^{+6}_{-4}$
- Dial thickness at counter hand area: D
- Dial thickness at counter hand area: A

Dial thick @ Counter hand area

- Stem ht in case design to be followed according to the dial thick.
(Dial thickness at butting surface to case)
- Side Clearance of counter hand / disc with dial wall - 0.250mm min. per side.

- Material: Polycarbonate

Stem	L(mm)	Stem(ref) length(mm)	Stem thread length from crown fitting side	Stock No
STD	21.800	18.620	12.400	2704153
L1	23.150	20.000	8.000	2704161
L2	27.150	24.000	12.010	2704162
L3	28.150	25.000	13.010	2704173

Hour hand

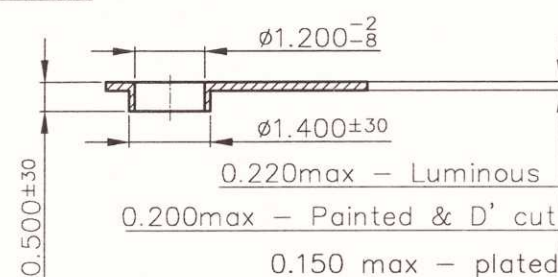
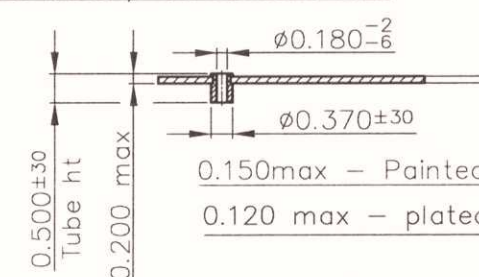


Diagram illustrating the cross-section of a road pavement structure with the following dimensions and layers:

- Overall width: $\phi 0.700^{-4}_{-10}$
- Subgrade width: $\phi 0.900 \pm 30$
- Left shoulder width: 0.250 ± 30
- Layers (from top to bottom):
 - 0.220 max - Luminous
 - 0.200 max - Painted & D' cut
 - 0.150 max - plated

Off sec Hand / Off 24Hour Hand



Movement size	11 1/2 X 9 1/2""(ø25.60x23.10 mm)
Functions	2H + Offset second + Offset 24Hour
Thickness	3.70 mm(Including battery)
Stem height	2.15 mm
No. of jewels	03
Type of IC	MCU
Quartz frequency	32,768 Hz
Accuracy	±20 sec/month
Pulse rate	1 pulse per second
Coil resistance	2.90 kΩ
Current consumption	*1.25 uA(min) – 2.20 uA(max)
Torque at Second hand	3.5 µNm(min) – 6 uNm(Typ)
Effective temperature range	0 to +55°C
Resistance to magnetic field	As per NIHS 91/10

LL	Type	Amorphous Silicon solar cell
	Size	ø23.60 x 0.20 (T)
	No. of segments	04
	Application	Indoor & outdoor

SOLAR	Light intensity in LUX	Time Required for full charge	
		Environment	Half opaque dial
	100,000	External bright sun light	* 03 Hrs.
	10,000	External cloudy	* 10 Hrs.
	500	Office lighting	* 250 Hrs.

RECHARGEABLE BATTERY	Type	MT920 (Lithium Ion battery)
	Size	ø9.50 X 2.1 mm
	Voltage	1.50 V
	Capacity	5.5 mAh
	Life (theoretical)	*4 months (After fully charged)
	Battery clamping	Positive (top clamp)

HANDS	DESCRIPTION		MIN. HAND	OFF. HAND/DISC
	Imbalance mg.mm		60	6
	Inertia mg.mm ²		500	90
	Weight mg (max).		12	4.5
	Length mm (max)	Brass	13	3.5
		Dural	—	3.5

Notes: 1) All dimensions are in mm.
2) Tolerances are in μm .
3) T7S240M – Upgraded movt with MCU
4) *Values will be reviewed after bulk production.
5) Power saving mode is available
6) Hand details updated

Index	Alterations	Date	Sig.
b	Hour hand tube ht 0.500±30 was 0.400±30	21.8.15	RTMK
a	ESD lever pos modified	24.4.15	RTMK
Prepared		Checked	Approved
Name		Date	
Date			

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Sheet 1 of 2

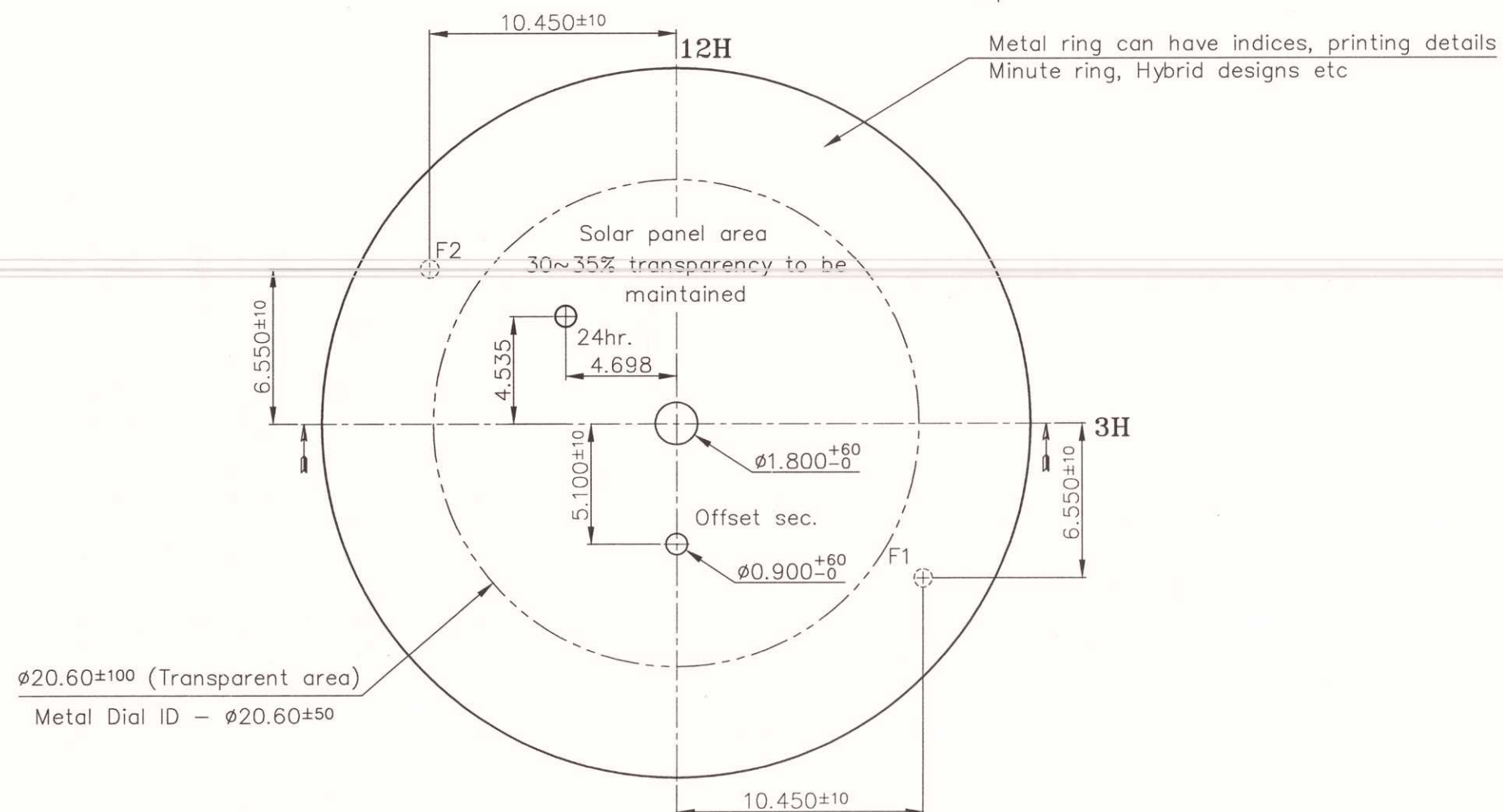
K:\Drawings\HTSE- 3\MCU version\Technical data HTSE\7S240M.dwg

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An analog clock face with two sub-dials. The main dial has hour markers from 1 to 12. The hour hand is between 10 and 11, and the minute hand is at 2. The top-left sub-dial has a single tick mark. The bottom-right sub-dial has a single tick mark.

Technical drawing of a mechanical assembly showing a cross-section of a plastic layer (Polycarbonate) and a metal dial. The drawing includes dimensions: D^* for the total height, 1.600 ± 100 for the distance between the two mounting points, and a hole diameter of $\text{Ø}0.750^{+0.20}_{-0}$. The labels "Plastic layer Polycarbonate" and "Metal dial" are present.



- Indices printing/appliques should not cover more than 10% of the solar panel area (Transparent area)
- 30~35% dial transparency indicated by assuming MG transparency is 90% & above

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Index	Alterations	Date	Sign

T-25

		Prepared	Checked	Approved
Name		<i>[Signature]</i>		<i>[Signature]</i>
Date		2/18/15		2/18/15

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Sheet 2 of 2