

HMS Module

Daily precision control module



The HMS technology detects the angular position of the hands of a watch head, thanks to the contrasted and reflection-free images of its lighting system. Two pictures of the watch are taken within a few hours, typically 24h. The time given by the angular position of the hands is compared to the precise time elapsed between the two pictures. The result is displayed in seconds and extrapolated in seconds per day.



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MEASUREMENT

STATE

Daily state measurement on watch heads and movements.
Typical precision: <0.5s on the second hand
Adjustable measurement duration: 10s to 60s.
State measurement in seconds.
Daily precision extrapolated in seconds per day.

MODES

Second hand only: fine chronometry.
Second & Minute hands: debugging.
Full-automatic mode: automatic watch centering and hands detection.
Semi-automatic mode: automatic watch centering and manual hands picking.

SOFTWARE

MODELS

Intuitive tool for watch model teaching.
Model testing protocol for the evaluation of the precision.
Automatic centering of the watch during the measurement (no support needed).
Realtime display of the pictures and measurement results.

DATA

Batch creation tool (tray).
Association tool of the watches within the tray.
Measurement results display.
Local/Network/Cloud SQL database.
Manual or automatic sequencing for H0 and H24 operations.

MODULE

BODY

Black anodized sand-blasted and fine-brushed aluminium body.
One-handed tray with damper for opening and closing.
Integrated PC.
Support for bracelets (optional).

MISCELLANEOUS

Maximum vision field: 55mm x 55mm.
Power supply: 220V.
Dimensions: 250mm x 370mm x 330mm (W x D x H).
Weight: 18Kg