

HMS10 Station

Multi-head daily precision control station

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 10 watch heads or movements.
Typical accuracy: <0.5s on a second hand of appropriate size and sufficient contrast.

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 re-centering and manual angular detection of hands on models not measurable automatically.

SOFTWARE

MODELS

Intuitive tool for teaching watch models.

Model testing protocol for precision evaluation.

Automatic centering of the watch during measurements (no support needed).

Real-time display of pictures and measurement results.

DATA

WEB interface *H2i Dashboard* for measurement management.

Batch creation tool (tray).

Association tool for watches within the tray.

Display of measurement results.

Local/Network/Cloud SQL database.

STATION

BODY

Black anodized fine-brushed aluminum measuring head.

Black and natural anodized sand-blasted aluminum chassis.

Two-handed drawers.

Ten cells tray, 70mm matrix.

Ten integrated PCs.

MISCELLANEOUS

Maximum field of vision: 55mm x 55mm.

Power supply: 220V.

Dimensions: 880mm x 880mm x 1500mm (W x D x H).

Weight: 120 kg.