Lensometry

HLM-7000P

Spectacle and contact lens measurement.

Automatic measurements. UV transmittance measurement. Pupillary distance. Tilting LCD screen. Multifocal, tinted and high-power lenses.



HLM-7000P · Equipment view

Sources and documentation · Source checked on 2026-10-18

Request a quote

View product

Generated on 2026-11-29

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Key advantages

Spectacle lens measurement

Sphere, cylinder and prism power measurement.

Sources and documentation · Source checked on 2026-10-05

Contact lenses

Measurement of rigid and soft contact lenses.

Sources and documentation · Source checked on 2026-10-05

Wide optical range

Sphere from −25 to +25 D; cylinder up to 10 D.

Sources and documentation · Source checked on 2026-10-05

Capabilities in practice

Lensometry

Sources and documentation

Rigid and soft contact lenses

Sources and documentation

Different lens formats

HLM-7000P accepts lens diameters from 15 to 120 mm. Its prism range reaches 20 Δ in base-up, base-down, base-in and base-out directions.

- Lens diameter from 15 to 120 mm.
- Prism up to 20 Δ in all four base directions.

Sources and documentation

Examine deeply tinted lenses

The device adapts illumination when measuring sunglasses and mirror-coated lenses.

- Automatic light amplification.
- Hartmann wavefront-sensor analysis.

Sources and documentation

Micrometric contact lens measurements

Dedicated modes for different lens types. Hartmann wavefront analysis supports measurement precision.

HLM-7000P Digital lensmeter

Measurement ranges

Spherical power: 0~±25.00D.

Cylindrical power: 0~±10.00D.

Cylinder axis: 0°~180° (1° increments).

Addition power: 0~+10D.

Prismatic power: 0~20Δ.

Designed for a smoother workflow

Guide progressive-lens measurement

Interface guidance supports distance and near measurements. The PD bar and measurement nose help position small and multifocal lenses.

- Progressive-lens recognition and guidance.
- Distance, near and addition measurements.

Sources and documentation

Follow the lens markers on screen

The IPS screen presents positioning and results in the measuring interface.

- 5.7-inch colour screen.
- Brightness adjustment and anti-glare treatment.

Sources and documentation

Designed for daily practice

Read UV transmission

UV mode presents a transmittance value and graph. Light amplification is provided when measuring dark-tinted or mirrored sunglasses.

- Numerical and graphical UV result.
- Measurement of ordinary lenses and sunglasses.

Sources and documentation

Keep reference marks on the printout

The thermal printer produces results and their graphical indications.

- Axis and pupillary-distance illustrations.
- One-touch paper replacement.

Sources and documentation



HLM-7000P · Equipment view

Sources and documentation

Technical specifications & documentation

Minimum sphere
-25 D

Sources and documentation

Maximum sphere
25 D

Sources and documentation

Maximum cylinder
10 D

Sources and documentation

Maximum prism
20 Δ

Sources and documentation

Connectivity
RS-232C

Sources and documentation

Power supply
100–120 or 220–240 V AC; 50–60 Hz

Sources and documentation

Dimensions
190 × 237 × 377 mm

Sources and documentation

Weight
5.5 kg

Sources and documentation

Downloads & resources

- https://huvitz.com/wp-content/uploads/2024/11/HLM-7000P_6p_eng_20171207.pdf
  Source checked on 2026-10-05
- https://huvitz.com/wp-content/uploads/2024/11/HLM-7000P_6p_eng_20171207.pdf
  Source checked on 2026-10-18

Your questions about HLM-7000P

What is the documented Minimum sphere of HLM-7000P?

-25 D

Sources and documentation

What is the documented Maximum sphere of HLM-7000P?

25 D

Sources and documentation

Is a separate UV tester required?

UV measurement is integrated into HLM-7000P. The screen presents a numerical value and chart for the measured lens, including sunglasses.

Sources and documentation

Which lens diameters are specified?

The brochure specifies a 15–120 mm range. Mode selection and lens positioning form part of the measurement procedure.

Sources and documentation

Does HLM-7000P measure prism?

Yes. The stated range reaches 20 Δ, with base-up, base-down, base-in and base-out presentation.

Sources and documentation

Related products



HLM-9000

Huvitz

Lensometry

Spectacle and contact lens measurement with Hartmann technology.

View product

Explore the ASEM clinical catalogue

Browse related areas of the ASEM catalogue. These links do not extend the indications of this device.

Diagnostics and biometry

More than a device, a long-term partnership

Discuss your project with ASEM: equipment selection, installation, training and technical support.



Service illustration

Installation

Discuss the installation requirements and configuration with our technical team.

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Service illustration

Training

Ask about the training and familiarisation available for your equipment.

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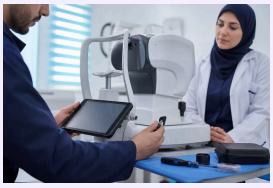

Service illustration

After-sales service

Contact ASEM for technical assistance and the support appropriate to your equipment.

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Service illustration

Expert advice

Tell us about your clinical needs to discuss a suitable equipment selection.

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