Intelligence in your vision!

Huvitz is always striving to reflect all your questions and demands through state-of-the-art refraction system.
Finally we introduce HLM-9000 reinforced with Hartmann sensor and curvilinear design.
A brand new lensmeter, this is another challenge Huvitz will overcome.

Huvitz Auto Lensmeter HLM-9000

Tomorrow with Huvitz

What is achieved is not a future, but a history.
Striving future achievement and future satisfaction will always motivate Huvitz to redefine and recreate our history.
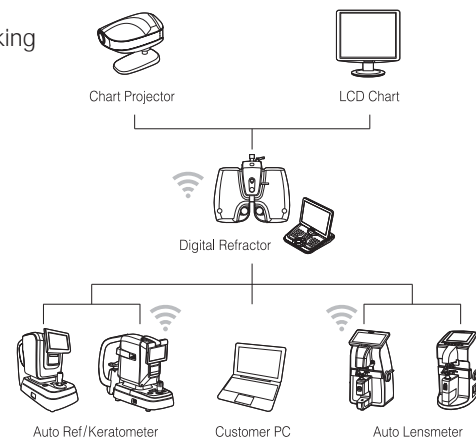
Huvitz Auto Lensmeter HLM-9000

Wavefront Tech | Curved Design | Wi-Fi

Specification

Measurement Specification

Sphere	0D~±25D (0.01/0.06/0.12/0.25)
Cylinder	0D~±10D (0.01/0.06/0.12/0.25)
Axis	0˚~180˚ (1˚ step)
Add	0~10D (0.01/0.06/0.12/0.25)
Cylinder Mode	0 to ±10.00D (Mix/-/+)
Prism	0~20 (0.01/0.06/0.12/0.25)
Measurable Lens Diameter	Ø 20 to 120mm (Contact Lens : Ø 5 mm over)
Wavelength	545nm (Green)
Measurement Method	Hartmann Sensor
Contact Lens Measurement	Hard / Soft
UV Transmittance	0~100%
Blue Light Transmittance	0~100%
Display	Tiltable 7" Color LCD IPS panel (800x480) / Touch panel
Printer	Auto Cutting Printer
Interface	RS-232C / USB 2.0 Port / Wi-Fi(802.11b, 2.4GHz)
Dimensions	222(W) X 240(D) X 370(H)mm, 5.4kg
Power Supply	100-240VAC~, 0.5-0.3A, 50/60Hz

Designs and details can be changed without prior notice for the purposes of improvement.

System Networking

Chart Projector LCD Chart

Digital Refractor

Auto Ref/Keratometer Customer PC Auto Lensmeter

Distributed by

Change in Core Technology, Different Way of Measurement
[All New] HLM-9000 Auto Lensmeter

Striving both accuracy in measurement and efficiency in operation at a time leads you to HLM-9000.

HLM-9000 welcomes you to enjoy its superiority in wavefront analysis technology of Hartmann sensor and automatic lens recognition.

A beautiful curvilinear design speaks emotional stability to you.

With HLM-9000, take satisfaction which you have ever enjoyed before.

Wavefront Analysis Technology of Hartmann Sensor

Implementation of Hartmann Sensor Wavefront Analysis Technology with more measuring spots maximizes accuracy in measurement even for multi-focal and high curved lenses.

Hartmann Sensor / Green Light Beam(540nm)   Progressive Lens Measurement

"Another Jump in Accuracy, Wavefront Tech"
Reliable Data with Maximized Satisfaction

AUTO LENSMETER

MEM

Hartmann Sensor Wavefront Analysis Tech

Implementation of Hartmann Sensor Wavefront Analysis Technology with more measuring spots maximizes accuracy in measurement even for multi-focal and high curved lenses.
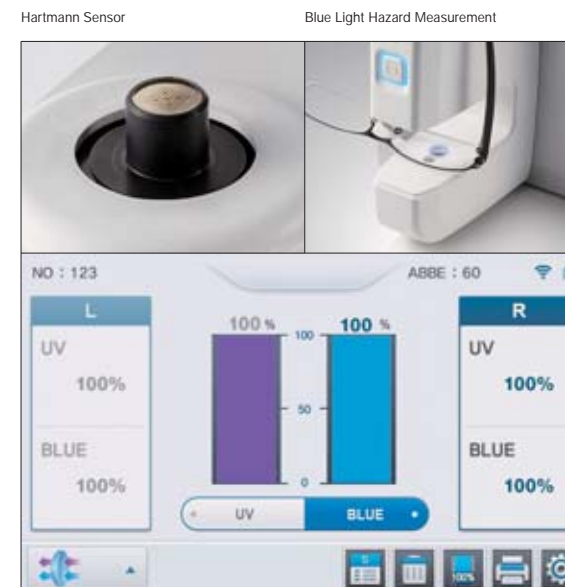
Blue Light Hazard Measurement

As usage of smart phones, LCD monitors and many electric devices increases, blue light hazard emitted from LED displays is recognized as one of noxious rays.
HLM-9000 measures blue light transmittance of blue light blocking lens.

UV Measurement

Easy operation and easy display of UV transmittance allow easy understanding of UV transmittance level from single vision lenses and sunglasses.

Hartmann Sensor   Blue Light Hazard Measurement

Blue Light Hazard and UV Measurement

Progressive Measurement

Contact Lens Measurement   Contact Lens Measuring Jig

Multi-focal Lens Measurement

Automatic recognition of multi-focal lenses supports easy measurement with measurement guidance on display and even measurement of sunglasses and prism multi-focal lenses is simple.

Improved Accuracy with Green Light Beam

Green light beam(545nm), which is nearly same as Fraunhofer e-line(546.1nm) of ISO standards, speaks higher accuracy in measurement than general infrared light.

Auto Lens Recognition

Single vision, progressive and other lenses are recognized automatically and turns into corresponding measurement mode.

Contact Lens Measuring Kit

Hard and soft contact lenses are measurable.
(Soft Contact Lens Jig : Optional)

7″ Color LCD Display

Wide display with unlimited viewing angle (178˚) minimizes work fatigue and maximizes work efficiency.

Wide Tilting Angle

Clear and bright display is readable from any direction with wide tilting angle.

Intuitive Prism Direction

Moving directions of both actual lens and lens on display are in same direction to avoid any confusion during measurement.

Wireless Communication

Wireless communication via Wi-Fi allows perfect data transmission with HRK-9000A and HDR-9000 regardless of working environment.
Classic communication via RS-232 cable is available for data transmission with previous models.

PD Bar and Measurement Nose   Auto Cutting Printer

User-friendly Graphic Interface

Intuitive Prism Direction

Simple GUI

GUI readable at the first glance is user-friendly with easy operation and anyone can easily conduct measurement without expert knowledge.

Minimized Gap between PD Bar and Nose

Bi- or multi-focal lenses of small sizes are measurable and accurate measurement is possible over entire spot of lens.

Auto Cutting Printer

Fast and quiet printer with automatic cutting function shows all data to customers quickly. Replacement of paper roll is in one touch action.

Extra Storage

Extra storage on upper section allows small accessories to be stored without any dust penetration by cover of rubber material.

" Improved Interface means Improved Efficiency"
Experience intuitive and easily accessible design