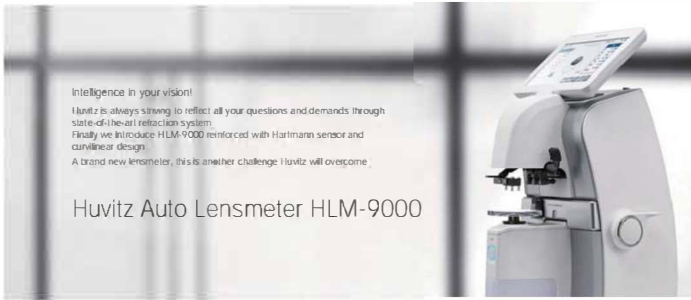


Tomorrow with Huvitz  
 What is achieved is not a future, but a history.  
 Striving future achievement and future satisfaction will always motivate Huvitz to redefine and recreate our history.



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.

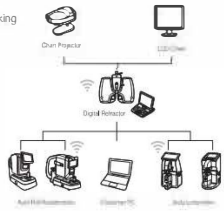
Huvitz Auto Lensmeter HLM-9000

Huvitz  
 Auto Lensmeter  
 HLM-9000

Specification

Measurement Specification	
Substrate	00~+25D @ 010 06.012.0.25
Curvature	00~+100D @ 010 06.012.0.25
Axis	0~180 (1 step)
ADD	0~100 @ 0.1/0.25/0.5/1.0/2.5
Cylinder Mode	0 to +10.000 (Min/+1)
Power	0~20 10.01/0.06/0.12/0.25
Measurable Lens Diameter	1.20 to 1.25mm (Contact Lens: 1.5 mm over)
Wavelength	545nm (Green)
Measurement Method	Hartmann Sensor
Contact Lens Measurement	Mini-FOV
IR Transmittance	0~100%
Blue Light Transmittance	0~100%
Display	11.6 inch 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)
Power Source	220W X 240V @ 50/60Hz
Power Supply	100-240VAC ~ 0.8 A (U.S.A. 3000Hz)

System Networking



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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.

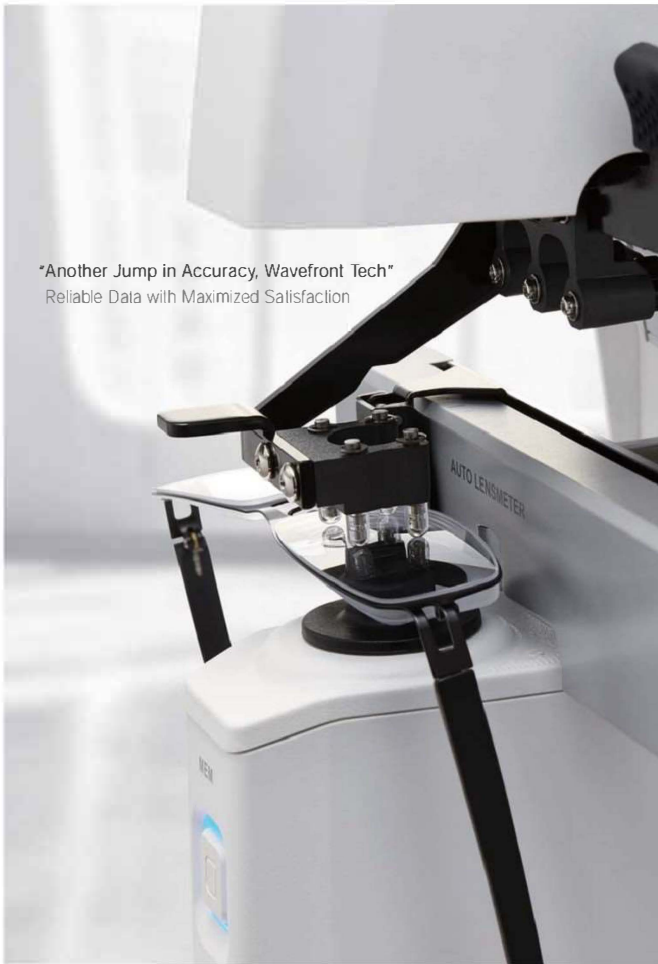
A beautiful curvilinear design speaks emotional stability to you.

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 maintains accuracy in measurement even for multi-focal and high curved lenses.





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

**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 level from single vision lenses and sunglasses.



**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 (170°) 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 HRC-9000A and HDR-9000 regardless of working environment.  
Classic communication via RS-232 cable is available for data transmission with previous models.



**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 paperroll 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.

**M Improved Interface means Improved EfficiencyN**  
Experience intuitive and easily accessible design

