LM-1200 / 1000(P)

AUTO LENSMETER

Eye & Health Care

LM-1200 / 1000(P) Auto Lensmeters

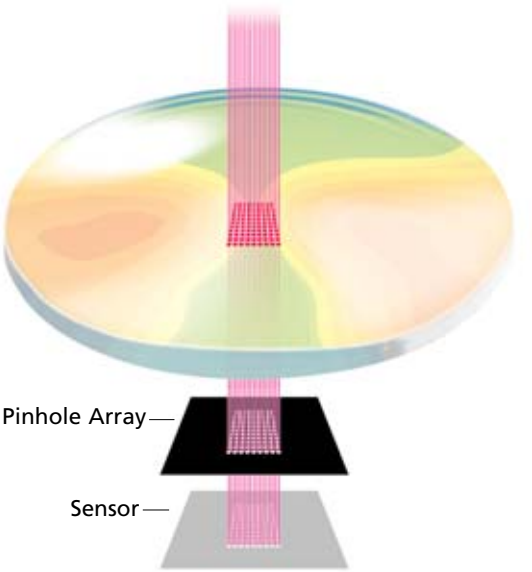
Advanced & Dynamic Technologies Provide for Faster, Easier and More Accurate Measurement

Faster & Easier for Progressive Power Lenses

HARTMANN SENSOR with 108 Multiple Measuring Points

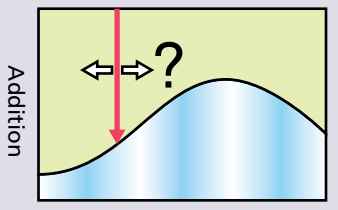
Advanced simultaneous measurement of 108 multiple points within the nosepiece provides easier and faster measurement with greater accuracy and reliability.

HARTMANN SENSOR

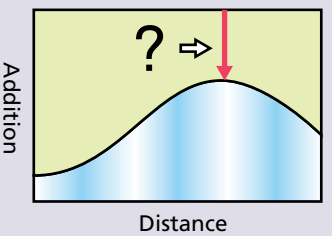


Conventional

Unable to determine the direction of the reading point without moving the lens around.

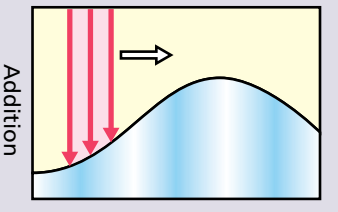


Unable to detect the reading point immediately.

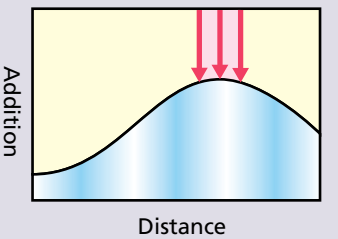


LM-1200 / 1000(P)

Instantly decides the direction of the reading point.



Detects the reading point immediately.



LM-1200 / 1000(P) Auto Lensmeters

Enhanced Functionality, Operability & Versatility

World's First Measurement of High Power Progressive Lenses

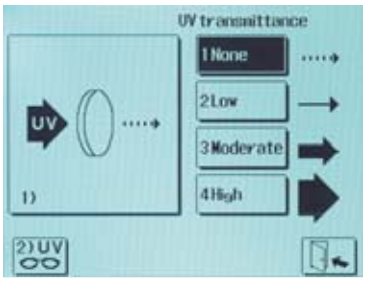
The prism measurement range is expanded to 20Δ, offering greater versatility.

Automatic Lens Type Detection

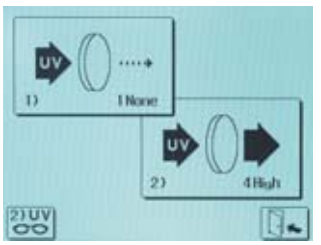
Just place the lens on the nosepiece, and the system detects the lens type - single vision lens or progressive power lens - and switches its measuring mode automatically.

UV Transmittance Measurement

UV transmittance of the lens is graphically displayed for 4 levels. The measured data can be saved, and the UV transmittance of multiple lenses can be compared.



Comparison



Improved Marking Dots

Newly developed marking ink makes it easy to mark and provides clear dots even on lenses with water repellent coating / finish.

LM-1200 / 1000(P) Auto Lensmeters

Ergonomic & User-friendly Design

Ergonomic Design

The new user-friendly ergonomic design provides smooth measurement.

Easy measurement even for glasses without hinges.

User-Friendly Tiltable LCD

The tiltable (30°) full-graphic LCD monitor provides easier operation for both standing and sitting operators.

Small Footprint

The LM-1200 / 1000(P) is compact and space saving.

USB Interface

Provides for data upload to PCs and servers.

High-Speed Line Printer (LM-1200 / 1000P)

The LM-1200 and LM-1000P provide fast and easy-to-read printouts. A model without the printer module (LM-1000) is also available.

Sample Printout (LM-1200)

〈PROGRESSIVE〉

RIGHT		LEFT	
+1.50	SPH	+1.25	
-0.25	CYL	+0.00	
137°	AXS	0°	
1.50	PSM	3.25	
268°	BAS	266°	
+2.75	ADD	+2.75	
17	LEN	17	Progressive length*
LEVEL1	UV	LEVEL1	UV transmittance
--------- WIDTH / LEN ---------			
20 / 17		18 / 17	Measurement position from channel width / distance portion*
---------- PD ----------			
32.0	63.5	31.5	Right PD / Binocular PD / Left PD*
1.5	INS	-2.0	Near portion inside amount*

NIDEK LM-1200

*LM-1200 only

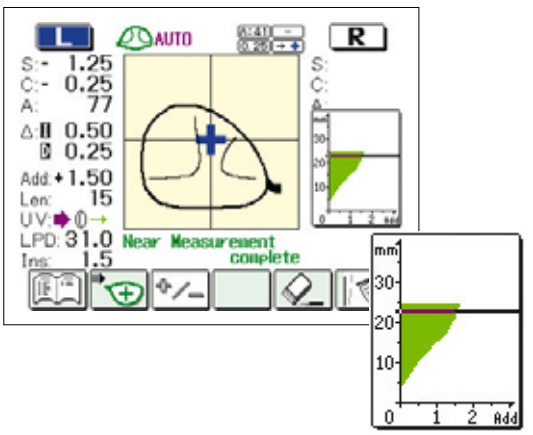
LM-1200 Outstanding Functions

Easy PD Measurement

The LM-1200 can measure the pupillary distance (the distance between the optical centers) easily - for both near and distance portions.

Offers automatic Right / Left detection with the special PD slider, which can also help the operator easily hold glasses while measuring.

Addition Power Change Graph



The LM-1200 can also graph the power transition of progressive lenses to indicate if the power remains the same, increases, or decreases around the near portion. This function is particularly useful when it is necessary to duplicate the customer's old lenses.

Color LCD Monitor

The LM-1200 provides a clear color LCD monitor.

LM-1200 / 1000(P) Specifications

Measurement Range	LM-1200	LM-1000 / 1000P
Sphere (Spectacle lenses) (Contact lenses) Cylinder Axis ADD Prism	-25.0 D to +25.0 D -25.0 D to +25.0 D (BC=6.00 to 9.00) (0.01 / 0.06 / 0.12 / 0.25 D increments) 0 D to ±9.99 D (-, MIX, +) (0.01 / 0.06 / 0.12 / 0.25 D increments) 0° to 180° (1° increments) 0 D to ±9.99 D (Add and Ad2) (0.01 / 0.06 / 0.12 / 0.25 D increments) 0Δ to 17Δ (horizontal), 0Δ to 20Δ (vertical), (0.01 / 0.06 / 0.12 / 0.25Δ increments)	←
Prism mode	Δθ, BI/O BU/D	←
PD Measurement	40 - 100 mm (0.5 mm increments)	None
Measurable Lens diameter	φ5 to 120 mm	←
Measuring time	0.13 sec. (Minimum)	←
Measurable transmittance	10% and over (20% and over for ±15.0 D to ±25.0 D)	←
UV transmittance	4 levels (None, Low, Moderate, High) with 365 nm (UV-A)	←
Wavelength / Measuring point	660 nm (Red) / 108 within nosepiece	←
Display	30° tilt Color LCD with back light	30° tilt LCD with back light (Black / White)
Printer	High speed built-in line printer (Paper width: 58 mm)	← (LM-1000P only)
Interface	RS-232C, USB	←
Marking system	Ink cartridge type (or ink pad type)	←
Power source	AC100 V to 120 V / 200 V to 240 V 50 / 60 Hz	←
Power consumption	40 VA	←
Dimensions / Weight	213 (W) x 428 (H) x 227 (D) mm / 7.5 kg 8.4 (W) x 16.85 (H) x 8.94 (D)" / 16.6 lbs.	213 (W) x 428 (H) x 227 (D) mm / 7.2 kg 8.4 (W) x 16.85 (H) x 8.94 (D)" / 15.9 lbs.
Standard accessories	Printer paper (x3), Dust cover (x1), Fuse (x2), Power cord (x1), Contact lens nosepiece (x1)	←
Optional accessories	RS-232C interface cable, USB cable (with driver), foot switch, marking cartridge (Blue & Red), EyeCare card system	←

VISIONARY PERFORMANCE

*Specifications and design are subject to change without notice for improvement.

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