



Auto Lensmeter LM-600PD/600P/600

(LM-600PD will be launched shortly)



LM-600

LM-600P

LM-600PD

The Art of Eye Care

Auto Lensmeter LM-600PD / 600P / 600

The new NIDEK LM-600PD / 600P / 600 auto lensmeter provides simple and fast measurement with leading-edge NIDEK technology. Its quick detection and smooth measurement flow, even for progressive power lenses, emphasizes the benefits of an auto lensmeter.

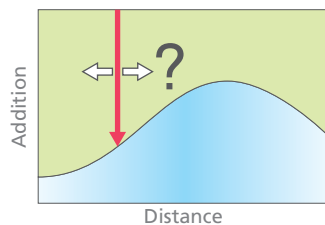
Also offering a high-speed printer with an automatic cutter to meet customers' demands.

■ **Hartmann Sensor with 108 Multiple Measurement Points**

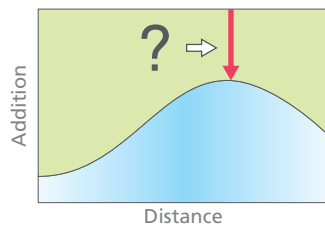
Advanced simultaneous measurement of 108 multiple points within the nosepiece provide easier and faster measurements with greater accuracy and reliability. Progressive lenses and high base curve lenses are also measured easily.

Conventional

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

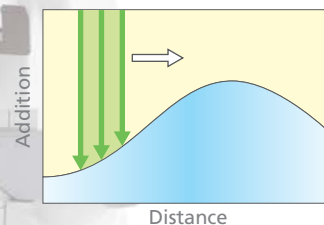


Unable to detect the reading point immediately.

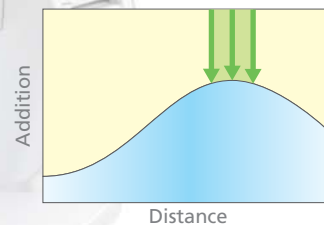


LM-600PD / 600P / 600

Instantly decides the direction of the reading point.



Detects the reading point immediately.



■ **Automatic Lens Type Detection**

Placing the lens on the nosepiece activates the auto lens detection to automatically determine the lens type - single vision lens or progressive lens - and automatically switches its measuring mode accordingly.

By moving the placed lens following the target shown on the display, even progressive lens can be measured easily and quickly with great reliability.

■ **Wide Prism Measurement Range**

The prism measurement range has been expanded to 20Δ in both horizontal and vertical directions, offering greater versatility.

■ **Prism Layout Function**

Entering the prism prescription value in advance allows easy blocking by just following the target shown on the screen for blocking lenses at the prism prescription position.

■ **Green Measurement Light**

Green light close to the ISO standard gives more precise measurement values without Abbe value compensation.

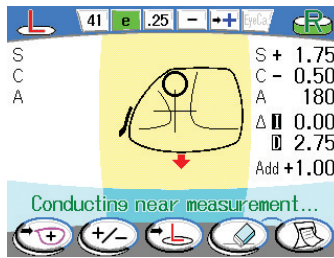
Hartmann Sensor
Pinhole Array

Sensor



Full Graphic LCD with 4.7-inch Color Screen

The newly designed full graphic LCD with a 4.7-inch color display offers clear and easy recognition of various values, from single-vision lens to progressive lens.



High-Speed Line Printer with Auto Cutter

The LM-600PD / 600P feature a high-speed printer with fast and easy-to-read printouts. Measurement data is simply laid out and is useful for explanation to customers. Replacing a new roll paper is easy and exchanging time takes only a few seconds. The auto paper cutter leaves a small section of the paper uncut to prevent the paper from falling, which is user-friendly. A model without the printer (LM-600) is also available.



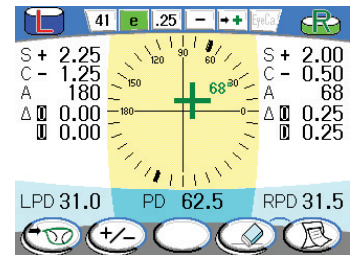
Sample Printout (LM-600PD)

< PROGRESSIVE >		
RIGHT		LEFT
- 2.00	SPH	- 2.25
- 1.00	CYL	- 0.50
10°	AXS	170°
0 0.25	PSH	0 0.00
U 0.50	U	U 0.25
+ 1.75	ADD	+ 2.00
----- PD -----		
30.5	61.5	31.0
NIDEK LM-600PD		

Right PD / Binocular PD / Left PD (LM-600PD only)

Easy PD Measurement (only for LM-600PD)

Pupillary distance (the distance between the optical centers) can be measured easily - for both near and distance portions. The LM-600PD offers automatic Right / Left detection with the special PD slider, which also helps the operator easily hold glasses while measuring. (LM-600PD is not yet available, please contact us for further information.)



PD measurement screen example

Compact and Light Form

The LM-600PD / 600P / 600's compact design and lightweight body will easily fit perfectly in any office, workshop and optical lab fulfilling any customer's desire, even when placed in crowded laboratories.

Improved Marking Dots

NIDEK's newly developed marking ink provides clear dots even on lenses with water repellent coating / finish.

Built-In Eye Care Card System

The LM-600PD / 600P / 600 incorporates the card slot for Eye Care Card system, which provides quick and easy wireless data transfer, eliminating paper printouts from auto refractometers (NIDEK AR-360A / 330A / 310A) and auto optometry systems (NIDEK RT-5100, COS-5100), which are leading products that also carry built-in Eye Care Card system.

Please contact NIDEK for further information.



LM-600P

LM-600PD / 600P / 600 Specifications

Model	LM-600PD*	LM-600P	LM-600
Measurement range			
Sphere (Spectacle lenses) (Contact lenses)	-25.00 to +25.00 D -25.00 to +25.00 D (BC=6.00 to 9.00) (0.01 / 0.06 / 0.12 / 0.25 D increments)		
Cylinder	0.00 to ±10.00 D (-, MIX, +) (0.01 / 0.06 / 0.12 / 0.25 D increments)	←	←
Axis	0 to 180° (1° increments)		
ADD	0.00 to +10.00 D (Add and Ad2) (0.01 / 0.06 / 0.12 / 0.25 D increments)		
Prism	0.00 to 20.00Δ (horizontal, vertical) (0.01 / 0.06 / 0.12 / 0.25Δ increments)		
Prism mode	Δ, θ, Base In / Out, Base Up / Down	←	←
PD measurement	20.0 to 49.5 mm (monocular), single vision PD, progressive lens far vision PD	Not Available	Not Available
Measuring time	0.09 sec. ±10% (Minimum)	←	←
Measurable lens diameter			
Spectacle lenses	ø20 to 100 mm	ø20 to 120 mm	←
Contact lenses	Larger than the inner diameter of the nose piece (ø5 mm)	←	←
Measureable transmittance	10% and over (20% and over for ±15 to ±25 D)	←	←
Compensation function for high index lenses	The abbe number is changeable in the range of 20 to 60	←	←
Marking system	Ink cartridge type	←	←
Wavelength / Measuring point	535 nm (Green) / 108 within nosepiece	←	←
Display	4.7-inch color full graphic LCD, 320 x 240 dots with a backlight	←	←
Printer	Thermal line printer with auto cutter (paper width : 58 mm)	←	Not Available
Interface	RS-232C : 1 port / USB : 1 port	←	←
Power supply	AC 100 (±10%) to 240 (±10%) V, 50 / 60 Hz	←	←
Power consumption	40 VA	←	←
Dimensions / Weight	194(W) x 210(D) x 408(H) mm / 4.0 kg 7.64(W) x 8.27(D) x 16.07(W)" / 8.82 lbs.	194 (W) x 210 (D) x 408 (H) mm / 3.9 kg 7.64 (W) x 8.27 (D) x 16.07 (W)" / 8.60 lbs.	194 (W) x 210 (D) x 408 (H) mm / 3.6 kg 7.64 (W) x 8.27 (D) x 16.07 (W)" / 7.94 lbs.
Standard accessories	Power cord, Dust cover, Nosepiece for contact lenses, Printer paper 3 rolls, Operator's manual, Measuring progressive power lenses explanation sheet	←	Power cord, Dust cover, Nosepiece for contact lenses, Operator's manual, Measuring progressive power lenses explanation sheet
Optional accessories	Eye Care Card, RS-232C communication cable, USB cable (with special USB driver), Foot switch, Ink cartridge (red, blue), Ink pad type marking unit	←	←

*LM-600PD will be launched shortly.

Specifications and design are subject to change without notice for improvement.
All LCD images are simulated.



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