



Auto Lensmeter LM-600PD^(UV)/600P^(UV)/600^(UV)



LM-600 UV

LM-600P UV

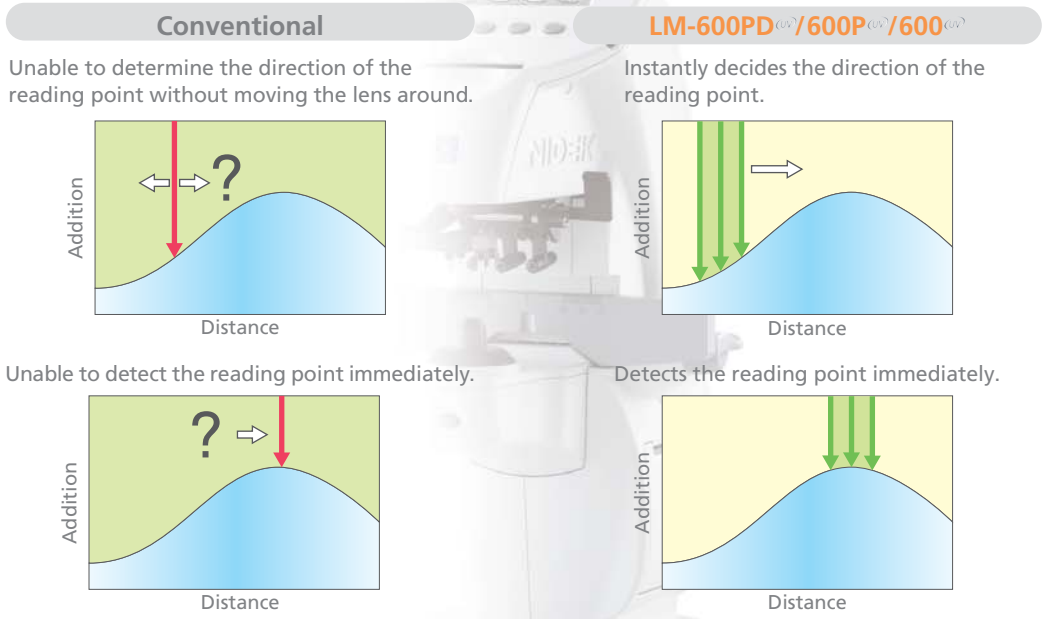
LM-600PD UV

Auto Lensmeter LM-600PD^{UV}/600P^{UV}/600^{UV}

The NIDEK LM-600PD UV / 600P UV / 600 UV 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 meets 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.



■ Automatic Lens Type Detection

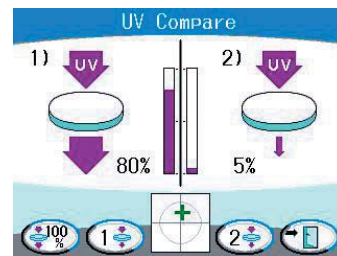
Placing the lens on the nosepiece activates the auto lens detection to automatically determine the lens type - single vision lens or progressive lens - and automatically switches its measuring mode accordingly. By moving the placed lens following the target shown on the display, even progressive lens can be measured easily and quickly with great reliability.

■ Green Measurement Light

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

■ UV Transmittance Measurement

A new UV measurement with the visually-enhanced display shows the UV transmittance in the range of 0 to 100% by 1 or 5% increments. The comparison of the two lenses can be easily displayed after next measurement is completed.

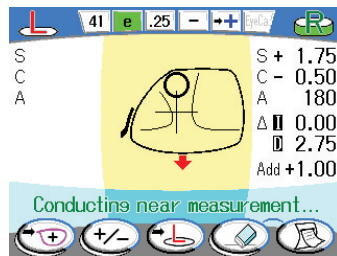


■ Compact and Light Form

The LM-600PD UV / 600P UV / 600 UV'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.

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 UV / 600P UV 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 UV) is also available.

Sample Printout (LM-600PD UV)

< PROGRESSIVE >	
RIGHT	LEFT
- 2.00 SPH	- 2.25
- 1.00 CYL	- 0.50
10°	AXS 170°
0 0.25 PSM	0 0.00
U 0.50	U 0.25
+ 1.75 ADD	+ 2.00
----- PD -----	
30.5	81.5 31.0
NIDEK LM-600PD	



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

Wide Prism Measurement Range

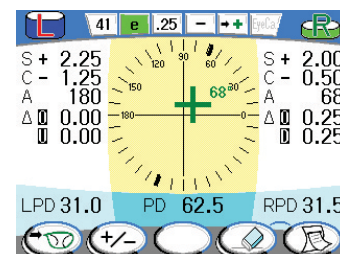
The prism measurement range has been expanded to 20Δ in both horizontal and vertical directions, offering greater versatility.

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.

Easy PD Measurement (only for LM-600PD UV)

Pupillary distance (the distance between the optical centers) can be measured easily - for both near and distance portions. The LM-600PD UV offers automatic Right / Left detection with the special PD slider, which also helps the operator easily hold glasses while measuring.



PD measurement screen example

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 UV / 600P UV / 600 UV 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 UV

LM-600PD^(UV)/600P^(UV)/600^(UV) Specifications

Model	LM-600PD UV	LM-600P UV	LM-600 UV
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
UV transmittance	0 to 100% (1% / 5% increments) with 365 nm (UV-A)	←	←
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 nosepiece (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 7.6 (W) x 8.3 (D) x 16.1 (H) " / 8.8 lbs.	194 (W) x 210 (D) x 408 (H) mm / 3.9 kg 7.6 (W) x 8.3 (D) x 16.1 (H) " / 8.6 lbs.	194 (W) x 210 (D) x 408 (H) mm / 3.6 kg 7.6 (W) x 8.3 (D) x 16.1 (H) " / 7.9 lbs.
Standard accessories	Power cord, Dust cover, Nosepiece for contact lenses, Printer paper, Measuring progressive power lenses explanation sheet	←	Power cord, Dust cover, Nosepiece for contact lenses, 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	←	←

VISIBLE AND INVISIBLE LED RADIATION
CLASS 1 LED PRODUCT
WAVELENGTH 365nm, 523nm
IEC 60825-1:1993/A1:1997/A2:2001

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



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