NIDEK

Auto Lensmeter

LM-500

THE ART OF EYE CARE

Auto Lensmeter
LM-500

New Entry Model Auto Lensmeter

The LM-500 auto lensmeter provides simple and fast measurement with leading-edge NIDEK technology. Its quick detection and smooth measurement flow, even of progressive power lens, emphasizes the benefits of an auto lensmeter.

Faster & Easier for Progressive Power Lenses

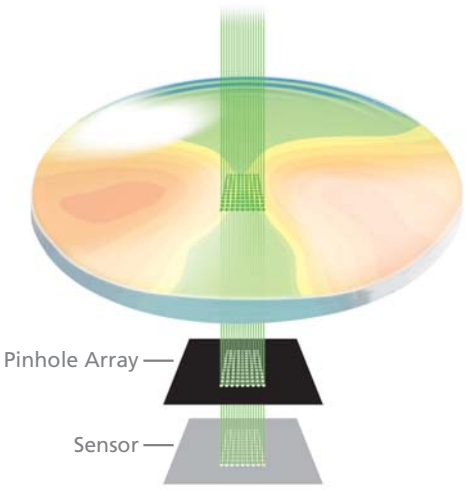
Hartmann Sensor with 108 Multiple Measurement Points

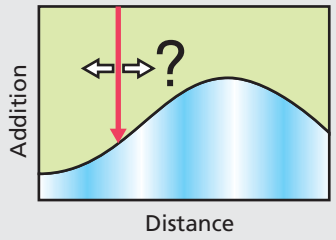
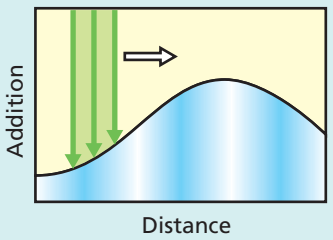
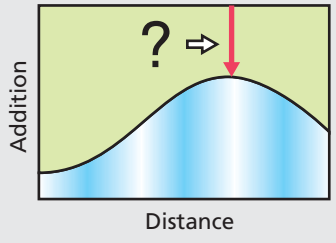
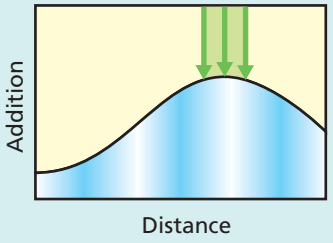
Advanced simultaneous measurement of 108 multiple points within the nosepiece provides easier and faster measurement with greater accuracy and reliability.

Green Measurement Light

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

HARTMANN SENSOR



Conventional	LM-500
Unable to determine the direction of the reading point without moving the lens around.	Instantly decides the direction of the reading point.
	
Unable to detect the reading point immediately.	Detects the reading point immediately.
	

Refine the image of your office

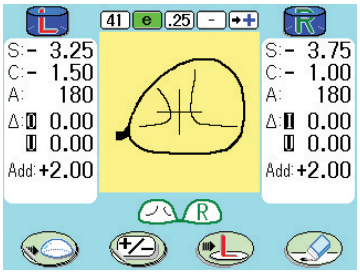
Its stylish design will enhance the look of your practice.

Compact and Light

Now that the auto lensmeter is no bigger than a manual lensmeter, the LM-500's compact and light body will fit in a shop, a workshop, or anywhere you want.

3.5-inch Color & Full Graphic LCD

The newly designed 3.5-inch color and full graphic LCD monitor offers clear and easy recognition of various values, from single-vision lens to progressive.



Cute Design

The brand new stylish design adds to the overall appearance of any practice or laboratory.

Printing Capability

Measured data is printable using the printer of the connected AR/ARK (including handheld type) or TONOREF™ II.
Please contact NIDEK for further information.

LM-500 Specifications

Measurement range	
Sphere	
(Spectacle lenses)	-25.00 to +25.00 D
(Contact lenses)	-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, Ad2)
	(0.01 / 0.06 / 0.12 / 0.25 D increments)
Prism	0.00 to 15.00Δ (horizontal, vertical)
	(0.01 / 0.06 / 0.12 / 0.25Δ increments)
Prism mode	Δ, θ, Base In / Out, Base Up / Down
Measuring time	0.09 second ±10% (Minimum)
Measurable lens diameter	
Spectacle lenses	ø20 to 100 mm
Contact lenses	Larger than the inner diameter of the nosepiece (ø5 mm)
Measurable 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	3.5-inch color full graphic LCD
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 / Mass	180 (W) x 185 (D) x 366 (H) mm / 3.5 kg
	7.1 (W) x 7.3 (D) x 14.4 (H) " / 7.7 lbs.
Standard accessories	Power cord, Dust cover, Nosepiece for contact lenses,
	Measuring progressive power lenses explanation sheet
Optional accessories	EyeCa-RW (IC card reader / writer) , Eye Care card, Interface cable,
	USB cable (with special USB driver) , Foot switch, Ink cartridge (blue)

All LCD images are simulated.
Caution : U.S. Federal Law restricts this device to sale, distribution, and use by or on the order of a physician or other licensed eye care practitioner.
Specifications and design are subject to change without notice.

Eye & Health Care
NIDEK CO., LTD.

HEAD OFFICE
34-14 Maehama, Hiroishi
Gamagori, Aichi 443-0038, Japan
Telephone : +81-533-67-6611
Facsimile : +81-533-67-6610
URL : http://www.nidek.co.jp
[Manufacturer]

TOKYO OFFICE
(International Div.)
3F Sumitomo Fudosan Hongo Bldg.,
3-22-5 Hongo, Bunkyo-ku, Tokyo
113-0033, Japan
Telephone : +81-3-5844-2641
Facsimile : +81-3-5844-2642
URL : http://www.nidek.com

NIDEK INC.
47651 Westinghouse Drive
Fremont, CA 94539, U.S.A.
Telephone : +1-510-226-5700
: +1-800-223-9044 (US only)
Facsimile : +1-510-226-5750
URL : http://usa.nidek.com

NIDEK S.A.
Europarc
13, rue Auguste Perret
94042 Créteil, France
Telephone : +33-1-49 80 97 97
Facsimile : +33-1-49 80 32 08
URL : http://www.nidek.fr

NIDEK TECHNOLOGIES Srl
Via dell'Artigianato, 6 / A
35020 Albignasego (Padova), Italy
Telephone : +39 049 8629200 / 8626399
Facsimile : +39 049 8626824
URL : http://www.nidektechnologies.it

VEGETABLE OIL INK