LM-1800

THE NEXT GENERATION OF AUTOMATED LENSMETER

The Marco LM-600 and LM-1800 Automatic Lensmeter Series represent the latest technology in lens measurement, providing simple and rapid operation. Faster detection and measurement acquisition offers unparalleled functionality and performance versatility, making it the most advanced automatic lensmeter series available on the market today.

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

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

Automatic lens type detection Placing the lens on the nosepiece activates the auto lens detection to automatically determine the lens type and automatically switches its measuring mode accordingly.

FEATURES	LM-600	LM-600P	LM-600PD	LM-1800P	LM-1800PD
Hartmann-Shack Principle	√	√	√	√	√
Automatic Lens Detection	√	√	√	√	√
Full Color & Graphic LCD	√	√	√	√	√
Marking System	√	√	√	√	√
UV Transmittance	√	√	√	√	√
Green Measurement Light	√	√	√	√	√
Built-in IC Card Reader	√	√	√	√	√
Wide Prism Measurement Range	√	√	√	√	√
Printer w/ Automatic Cutter		√	√	√	√
PD Measurement			√		√
Enlarged LCD Screen				√	√
Tiltable LCD Monitor				√	√
Ethernet Interface				√	√

NIDEK

MARCO

THE LEADER IN VISION DIAGNOSTICS®

LM-1800PD / 1800P Specifications

Model	LM-1800PD & LM-1800P
Measurement range	
Sphere (Spectacle lenses)	-25 to +25 D
Sphere (Contact lenses)	-25 to +25 D (BC=6.0 to 9.0)
	(0.01 / 0.06 / 0.12 / 0.25 D increments)
Cylinder	0 to ±10 D (-, MIX, +)
	(0.01 / 0.06 / 0.12 / 0.25 D increments)
Axis	0 to 180° (1° increments)
ADD	0 to +10 D (Add, Ad2)
	(0.01 / 0.06 / 0.12 / 0.25 D increments)
Prism	0 to 20Δ
	(0.01 / 0.06 / 0.12 / 0.25Δ increments)
Prism mode	Δ, θ, Base In / Out, Base Up / Down
PD measurement (LM-1800PD only)	20.0 to 49.5 mm (monocular), Single vision PD, Progressive lens far vision PD
UV transmittance	0 to 100% (1 or 5% increments)
Measuring time	0.06 second ±10% (minimum)
Measurable lens diameter	
Spectacle lenses	20 to 120 mm
Contact lenses	Larger than the inner diameter of the nosepiece (ø5 mm)
Measurable transmittance	10% and over (20% and over for ±15 to ±20 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	5.7-inch color full graphic TFT-LCD, 640 x 480 dots with LED backlight
Printer	Thermal line printer with auto cutter (paper width: 58 mm)
Interface	RS-232C, USB2.0 HOST, USB2.0 FUNC, 10/100BASE-T Ethernet - 1 port each
Power supply	AC 100 to 240 V, 50 / 60 Hz
Power consumption	60 VA
Dimensions / Mass	220 (W) x 252 (D) x 430 (H) mm / 5.0 kg
	8.7 (W) x 9.9 (D) x 16.9 (H) " / 11.0 lbs.
Standard accessories	Printer paper, Power code, Dust cover, Nosepiece for contact lenses, Measuring Progressive Power Lenses explanation guide
Optional accessories	Eye Care card, Interface cable, USB cable, Foot switch, Ink cartridge (Red/Blue), Ink cartridge, Ink pad type marking unit, Simple refractive measurement system, Barcode scanner, Magnetic card reader