Marco LM-1800PD | AUTOMATED LENSMETER

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

Hartmann-Shack sensor with 108 measurement points Advanced simultaneous measurement of 108 points within the aperature of the nosepiece provides easier and faster analysis with greater accuracy and reliability.

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

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

UNIQUE FEATURES

- Hartmann-Shack Wavefront Technology
- Automatic Lens Detection
- Enlarged Color Graphic LCD Screen
- Self-inking Lens Marking Pens
- UV Transmittance
- Green Measurement Light
- Built-in Eye Care IC Card Reader
- Wide Prism Measurement Range
- Printer w/Automatic Cutter
- Net Vertical Prism
- PD Measurement
- Ethernet Interface

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LM-1800PD SPECIFICATIONS

MODEL	LM-1800PD
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, 2nd Add 2 (trifocal) Add 2 (trifocal)
	(0.01 / 0.06 / 0.12 / 0.25 D increments)
Prism	0 to 20▲
	(0.01 / 0.06 / 0.12 / 0.25▲ increments)
Prism mode	▲, Base In / Out, Base Up / Down; Polar Coordinates
PD measurement	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
  Contact lenses
	20 to 120 mm
	Larger than the inner diameter of the nosepiece within an aperature of 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 (Red)
Wavelength / Measuring points	535 nm (green) / 108 within 7.5mm 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 (in / out), LAN, USB, Eye Care IC Card System
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 cord, Dust cover, Nosepiece for contact lenses, Explanation Guide for Measuring Progressive Power Lenses
Optional accessories	Eye Care cards, Interface cable, USB cable, Foot switch, Ink cartridges (Blue), Barcode scanner, Magnetic card reader

Marco technologies integrate
with Marco Connect software

NIDEK | MARCO

Designed and Manufactured by NIDEK – Represented by MARCO