



Auto Lensmeter LM-30

Aiming at new levels in quality



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In its small body, the LM-30 is packed with all the technological innovations we have developed in the field of ophthalmology.

- Simple.....Easy to operate. You will even be able to measure progressive lenses right from day one.
- QuickResponsive, no frustration
- AccurateHigh measurement accuracy
- AutomaticAutomated measurement as well as data reading and storage

Measurement of contact lenses

Contact lenses can be measured in the same way as the single vision lenses by attaching the nose piece for contact lenses.

ABBE number

The LM-30 will automatically compensate the measured values when a different ABBE number is selected, providing more accurate measuring results. Numbers selectable are from 30 to 60, in increments of 5, a total of 7 settings.

Real-time prism power measurement

Prism power is read at arbitrary point, and displayed in two forms: rectangular (BU/BD, BI/BO) and polar (Δ / deg.) coordinates.

Automatic detection of progressive lenses

The auto-detect function of the LM-30 detects progressive lenses when a lens is placed on the nose piece. Once it detects a progressive lens, it automatically switches itself to progressive lens measuring mode, which eliminates cumbersome manual operations. No more mistakes in lens type detection.

Good visibility with the large back-lit LCD

With the use of a large (89mm x 46mm) LCD, the measured value are easy to read. Furthermore, the display is backlit, providing excellent visibility even in a dimly lit room. Measured results of left and right lenses are temporarily stored, and then displayed sequentially when the READ button is pressed.

Two modes of measurement; manual and automatic

The LM-30 is equipped with automatic mode as well as manual modes. Sphere power, cylinder power, and cylinder axis as well as ADD power in a progressive lens are automatically read. By pressing the HOLD button, the measuring mode can be switched between manual and automatic.

The LM-30 measures in increments of 0.25D, 0.12D, or 0.01D (3 steps).

Also, when testing finished progressive lenses, lenses can be checked in units as small as 0.01D.

Specifications

Measurement Range	
Spherical Power (SPH)	$\pm 25D$
Cylindrical Power (CYL)	$\pm 9.99D$
Axial angle (AXIS)	0 to 180°
Additional Power (ADD)	0 to 9.99D
Prism Power	0 to 9.99 Δ
Measurement Units	
Diopter	0.01/0.12/0.25D
Prism	0.01/0.12/0.25 Δ
Measurement Modes	
Cylinder	+ / \pm / -
Prism	Rectangular / Polar Coordinates
Sampling Speed	0.035 seconds (sampling time)
Measurement	
Wavelength	660 nm
Diameter of the beam	3mm

Lenses	Spectacles, Hard and Soft Contact Lenses
Abbe Numbers	30 to 60 (5-unit increment)
Data Display Screen	Two Dimensional LCD, Back Illuminated
Alignment	Cross/Cursor (thickens when lens is aligned)
Dimensions	200mm (W) x 260mm (D) x 436mm (H)
Weight	5.0kg
Main Supply Voltage	100 to 240V, 50/60Hz
Power Consumption	35VA

● Design and specifications are subject to change as improvements are made to the product.

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