

AUTO LENSMEETER LM-30

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



NEW

- **Simple** : Easy to operate. You will even be able to measure progressive lenses right from day one.
- **Quick** : Responsive, no frustration
- **Accurate** : High measurement accuracy
- **Automatic**: Automated measurement as well as data reading and storage

Aiming at new levels in quality.

OPTIMED

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- **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 points, 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 Ranges

Sphere	$\pm 25D$
Cylinder	$\pm 9.99D$
Axis	0 to 180°
Addition	0 to 9.99D
Prism	0 to 9.99 Δ

Measurement Units

Power	0.01/0.12/0.25 D
Prism	0.01/0.12/0.25 Δ

Measurement Modes

Cylinder	+ / ± / -
Prism	Rectangular/Polar coordinates

Sampling Speed

0.035 seconds

Measurement

Wavelength	660nm
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	5.0 kg
Main Supply Voltage	100 to 240V, 50/60Hz
Power Consumption	35 VA

