

One vision, Two sharp eyes with Our Innovation

TL-3000B

Auto Lensmeter

Highly Accurate Color Touch Panel
Operation Auto Lensmeter



- Automated Measurement & Large Data Storage
- Automatic Detection of Progressive Lenses
- Expanded Measurement Range (± 80) for Lens Blanks
- Prism Measurement with Total Prism Display
- PD Measurement
- Measurement of UV Transmittance
- Contact Lens Mode
- 5.7" Color Touch Panel Operation Display
- Built-in Printer

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Auto Lensmeter



New Generation of Auto Lensmeters

The TOMEY TL-3000B Auto Lensmeter is designed for fast & easy operation. The 5.7 inches color touch panel makes it easier to operate for everyone. In AUTO mode, the readings are automatically held when the lens is properly aligned. Multi-Focal lenses are automatically detected by TL-3000B and alignment system guides you to correctly position the lens. The color touch panel display is clearly visible in virtually all environments and able to change three types of color design. Prism can be displayed in rectangular coordinates, polar coordinates or displacement from the optical center. The Abbe number can be adjusted to examine high index lenses. The results can be printed with the built-in printer. The TL-3000B is equipped with an RS-232C port for data transmission to a computer.

Flexibility

TL-3000B Auto Lensmeter measures standard & high index lenses; Bifocal, Trifocal & Progressive Lenses; & Prism. Since there is more variety of progressive lenses, TL-3000B uses the latest technology to measure normal progressive lenses, mid-distance progressive lenses, and near-distance progressive lenses. The system also easily measures hard & soft contact lenses (in dry mode).

Accuracy & Wide Range

Highly accurate measuring abilities with a wide measurement range for spherical and cylindrical power for prism. The High Power mode provides a spherical range of up to $\pm 80D$ lens blanks & contact lenses.

Advanced Features

A bar graph displays the UV-light transmittance of the lenses. The original design of interpupillary distance (PD) measurement aids in correctly fitting spectacles. The TL-3000B is also programmed with refractive index calculation. Simply enter the value of refraction of both surface of lens and automatically calculate the index.

Compact & Efficient

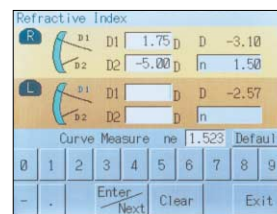
The TL-3000B has been designed with a small footprint, occupying very little valuable space in your refraction room or laboratory.



Progressive Mode (Near)



Measurement Result



Refractive Index Mode

TL-3000B SPECIFICATIONS

Measurement Ranges

Sphere	$\pm 25D$
High Power Range	$\pm 80D$
Cylinder	$\pm 10D$
Axis	0 to 180°
Addition	0 to 10D
Prism	0 to 10 Δ

Measurement Units

Diopter	0.01 / 0.12 / 0.25D
Prism	0.01 / 0.12 / 0.25 Δ

Measurement Mode

Cylinder	+ / \pm / -
Prism	Rectangular Coordinates / Polar Coordinates / Displacement

Sampling Speed

0.035 seconds

Measurement

Wavelength	660nm
Beam Diameter	2.5 / 5.0mm
Pupillary Distance (PD)	50-86mm
Lens Diameter	20-100mm
UV Transmission	0 to 100% (at $\lambda = 385nm$)

Lens

Standard & High Index Lenses;
Bifocal, Trifocal & Progressive Lenses;
Contact Lenses

Abbe Number

30, 35, 40, 45, 50, 55, 60, 65

Data Display Screen

5.7" Color Touch Panel (320 x 240 dot)

Alignment

Cross-Bar (thickens when lens is centered)
Thermal (MTP type)

Printer

External Communication

Port

RS-232C Serial Port

Dimension

220mm (W) x 260mm (D) x 438mm (H)
8.7" (W) x 10.25" (D) x 17.25" (H)
approx. 7.0kg (15.4 lbs.)

Weight

Power

Voltage
Frequency
Power Consumption

AC 100 to 240V
50/60 Hz
35 - 50VA



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