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

TOMEY

One vision, Two sharp eyes with Our Innovation

TL-3000B

Auto Lensmeter

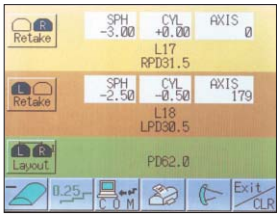
New Generation of Auto Lensmeters

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.

Progressive Mode (Near)

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).



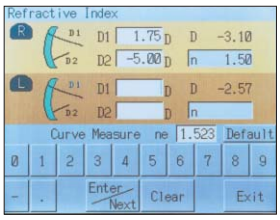
Measurement Result

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 ±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.



Refractive Index Mode

Compact & Efficient

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

TL-3000B SPECIFICATIONS

Measurement Ranges	
Sphere	±25D
High Power Range	±80D
Cylinder	±10D
Axis	0 to 180°
Addition	0 to 10D
Prism	0 to 10△
Measurement Units	
Diopter	0.01 / 0.12 / 0.25D
Prism	0.01 / 0.12 / 0.25△
Measurement Mode	
Cylinder	+ / ± / −
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 λ=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)
Printer	Thermal (MTP type)
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)
Weight	approx. 7.0kg (15.4 lbs.)
Power	
Voltage	AC 100 to 240V
Frequency	50/60 Hz
Power Consumption	35 - 50VA

TOMEY

Tomey Corporation [Asia-Pacific]
2-11-33 Noritakeshinmachi
Nishi-Ku, Nagoya, 451-0051, Japan
Tel: ++81-52-581-5327
Fax: ++81-52-561-4735
E-Mail: intl@tomey.co.jp

Tomey GmbH [Europe]
Am Weichselgarten 19a
D-91058 Erlangen-Tennenlohe, Germany
Tel: ++49-9131-77710
Fax: ++49-9131-777120
E-Mail: info@tomey.de

For more information, visit our web site **http://www.tomey.com**