

AUTO LENSMETER TL-6000 & TL-7000

AUTOMATED LENSMETER

DELIGHT IN SIGHT

Powerful wavefront lens
analysis.



TL-7000

- Wavefront technology with Hartmann sensor (117 points)
- Simultaneous measurement of UV/Blue light and power
- Lens mark recognition support
- Simple power mapping
- WIFI, LAN and RS-232C connection

 **TOMEY**
TECHNOLOGY AND VISION

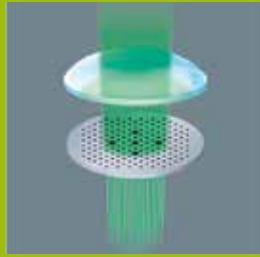
THE TOMHEY AUTO LENSMETER TL-6000 & TL-7000



QUALITY IN DETAIL

WAVEFRONT TECHNOLOGY WITH HARTMANN SENSOR (117 POINTS)

Using 117 point Hartmann sensor wavefront technology in **TL-6000/TL-7000**, superior measurement accuracy and speed for all types of lenses is guaranteed. Green LED measurement light allows to measure high index lenses without the need of Abbe compensation.



SIMULTANEOUS MEASUREMENT OF UV/BLUE LIGHT AND POWER

Blue light filtering lenses have found their way to the optic shops and play an important role to protect the eyes from harmful blue light emission of LED screens. Show your patients the transmittance of blue light (465 nm) and of UV light (375 nm) passing through their lenses simultaneously while measuring the optical power.



LENS MARK RECOGNITION SUPPORT

Various grid patterns will assist you to recognize the lens marks easier as well as to visualize the distortion of multifocal lenses. The grid patterns are changed by swiping the finger over the 7-inch touch panel.



SIMPLE POWER MAPPING

Visualize the progression zone of multifocal lenses with the simple power mapping function. The use of PD-value and the L-value is recommended and is an exclusive function of **TL-7000**.



SPECIFICATIONS

MEASUREMENT RANGE

Spherical power (SPH)	+/- 25 D
Cylindrical power (CYL)	+/- 10 D
Axial angle (AXIS)	0 to 180°
Additional power	-2 to 10 D
Prism power	0 to 15 Δ

MEASUREMENT INCREMENT

Diopter	0.01 / 0.06 / 0.12 / 0.25 D
Prism	0.01 / 0.06 / 0.12 / 0.25 Δ

MEASUREMENT PARAMETERS

Wavelength	535 nm
Diameter of the lens	φ20 to 120 mm, more than φ5 mm for CL
Pupillary distance	40 to 86 mm, step: 0.5 mm (for TL-7000 only)
Measurement object	Spectacle lens, contact lens, optical lens
Transmittance of UV	The peak of the wavelength is 375 nm
Transmittance of blue light	The peak of the wavelength is 465 nm
Display	7-inch-wide colour TFT, with touch panel
Printer	Thermal printer, paper width 58 mm
External communication port	RS-232C, USB3.0, Ethernet

DIMENSIONS & ELECTRIC REQUIREMENTS

Dimensions WDH	188 x 240 x 430 mm (when LCD is tilted)
Weight	Approx. 5.5 kg
Voltage	AC 100 V-240 V
Frequency	50/60 Hz
Power consumption	40-50 VA

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