

# 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
- PD measurement (TL-7000 only)

 **TOMEY**  
TECHNOLOGY AND VISION

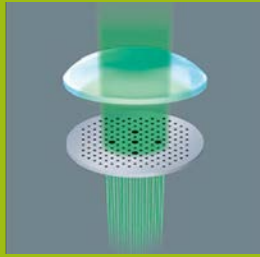
# THE TOMHEY AUTO LENSMETER TL-6000 & TL-7000



## 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.



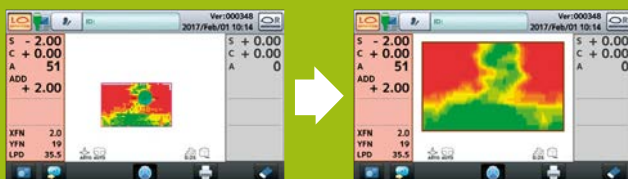
### LENS MARK RECOGNITION SUPPORT

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

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

### MEASUREMENT INCREMENT

<b>Diopter</b>	0.01 / 0.06 / 0.12 / 0.25 D
<b>Prism</b>	0.01 / 0.06 / 0.12 / 0.25 Δ

### MEASUREMENT PARAMETERS

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

### DIMENSIONS & ELECTRIC REQUIREMENTS

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

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