

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 INCREMENTS

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

MEASUREMENT PARAMETERS

Wavelength	535 nm
Transmittance of UV light	The peak of the wavelength is 375 nm
Transmittance of blue light	The peak of the wavelength is 465 nm
Diameter of the lens	20 to 120 mm, > 5 mm for CL
Pupillary distance	40 to 86 mm, step: 0.5 mm
Measurement objects	Glasses lens, contact lens, optical lens

HARDWARE PARAMETERS

Display	7.0" colour TFT-LCD with touch panel
Printer	Thermal printer
Output	RS-232C, USB 2.0, Ethernet, WiFi

DIMENSIONS AND ELECTRICAL REQUIREMENTS

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

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TL-7000

Automated Lensmeter

You + eye.
We care.

TL-7000 Automated Lensmeter

The 117-point Hartmann sensor wavefront technology in the TL-7000 enables high measurement accuracy and speed for all types of lenses.



"TOMEY PRODUCTS COVER A WIDE RANGE OF NEEDS IN THE OPTICAL MARKET, FROM HIGH-END TECHNOLOGY TO BASIC PRODUCTS SUCH AS AUTOMATED LENSMETERS."

Pia Bruchner

PRODUCT MANAGER /
QMR

+ Wavefront technology with the Hartmann Sensor

High measurement accuracy, even with narrow progressive lenses, thanks to the Hartmann sensor with 117 measuring points.

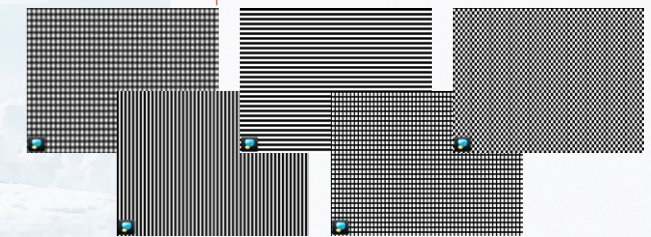


+ Simultaneous measurement of UV/blue light and lens power

The option to simultaneously measure UV light, blue light, and lens power is very convenient and saves time.

+ Lens mark recognition support

Engravings and lens marks can be easily found with the support of the TL-7000's grid patterns.



+ Measurement support

Thanks to automated lens detection, lens type recognition, and measurement initiation, the results are available quickly.

+ LAN, WiFi, and RS-232C connection

Data transfers to PCs and automated phoropters (RS-232C only) are easy to set up via LAN, WiFi, or RS-232C connection.

+ PD measurement

The automated measurement of pupillary distance while glasses are analysed brings additional value.