

One vision, Two sharp eyes with Our Innovation

TL-5000

Auto Lensmeter



Five color patterns and your own color layout using 256 preset colors
The power map supports progressive lens measurement
Simultaneous measurement of UV transmissivity
Auto table lock function
Improved marking points easily visible
Accessory box

TL-5000 SPECIFICATIONS

Measurement

Range	
Sphere Power (SPH)	±25 D
Cylinder Power (CYL)	±10 D
Axial angle (AXIS)	0 to 180 °
Additional Power (ADD)	-2 to 10 D
Prism Power	0 to 10

Increment

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

Mode

Cylinder	+ / ± / -
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Prism

Rectangular Coordinates / Polar Coordinates / Displacement

Measurement Time	0.035seconds (sampling time)
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Wavelength	660 nm
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Diameter of the beam	2.5 mm, 5.0 mm
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Diameter of the lens	20 to 120 mm (from 5mm for Contact Lens)
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Pupillary Distance	50 to 86 mm (step : 0.5 mm)
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Measurement Object	Spectacle lens / Contact lens / Optical lens
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Abbe Numbers	20,25,30,35,40,45,50,55,60,65
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Transmittancy of UV	The peak of the wavelength is 385nm.
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Data Control

Display

5.7 inches Color Touch Panel Operation LCD (320 x 240 dot)

Alignment	Cross Cursor
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Printer	Thermal Printer / LTP type / 384 dots / line
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External Communication Port	RS-232C, USB (USB1.1)
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Dimensions and Electric Requirement

Dimensions	205(W) x 208(D) x 445(H) mm
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Weight	Approx. 6 kg (13.3 lbs.)
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Power supply	AC 100 to 240 V
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Frequency	50 / 60 Hz
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Consumption Power	40 to 50VA
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Lensmeter that creates a pleasant atmosphere



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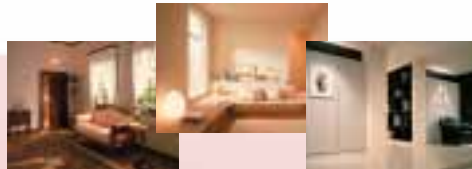
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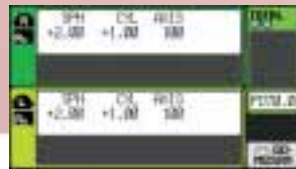
Lensmeter that creates a pleasant atmosphere

The unique structure, such as the thin panel, beautifully matches any space. The classy two-tone finish provides a fashionable atmosphere. This lensmeter makes a stylish interior decoration even while not being used for measurement.

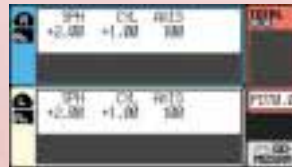


Color touch panel

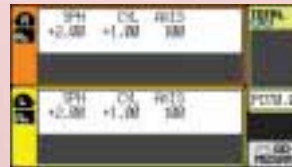
You may select any of five color patterns based on specific themes depending on the atmosphere in the room or your mood on the day. In addition, you can create your own color layout using 256 preset colors.



Forest



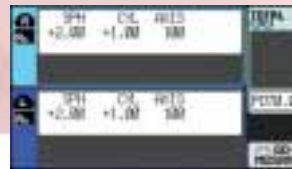
Fresh



Citrus



Rosy



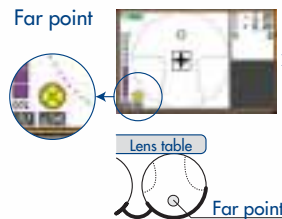
Water

The power map supports progressive lens measurement

The power map indicates different lens powers in different colors, making measurement of the reading point easier

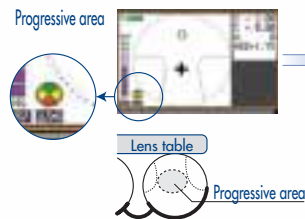
Far point

The power map shows the far point.



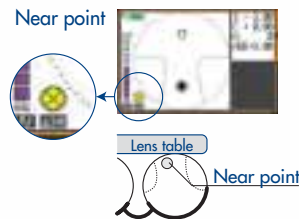
Progressive area

The power map has the same color at both sides, when the cursor is in the progressive area.



Near point

The power map shows the near point.

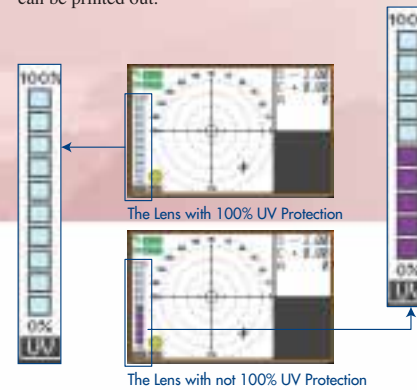


AUTO TABLE LOCK function

The lensmeter automatically locks the lens table when aligned with the optical center. You do not need to release the optical glasses or lock the lens table with a lever. It is helpful to get the correct cylinder axial angle and useful to find the upper and lower prism.

Simultaneous measurement of UV transmissivity

The UV (385nm) transmissivity can be measured while measuring the power of the lens and the result can be printed out.



Customizable shortcut buttons

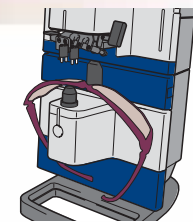
The shortcut buttons provide access to often used functions immediately and the layout can be customized to create an original menu bar.

Improved marking points easily visible

The ink is not easily repelled even on water-proof or anti-dirt coated glasses. Further, the white ink is easily visible on prescription sunglasses.

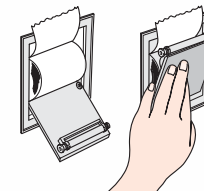
Supports large optical frames

High-curved lenses and lenses in large optical frames can also be measured.



High-speed printer

The drop-in type printer allows you to replace the paper roll easily. Characters are large and easy to read.



Accessory box

Accessories such as the CL nose piece can be stored neatly.

