

COMPUTERIZED LENSMETER

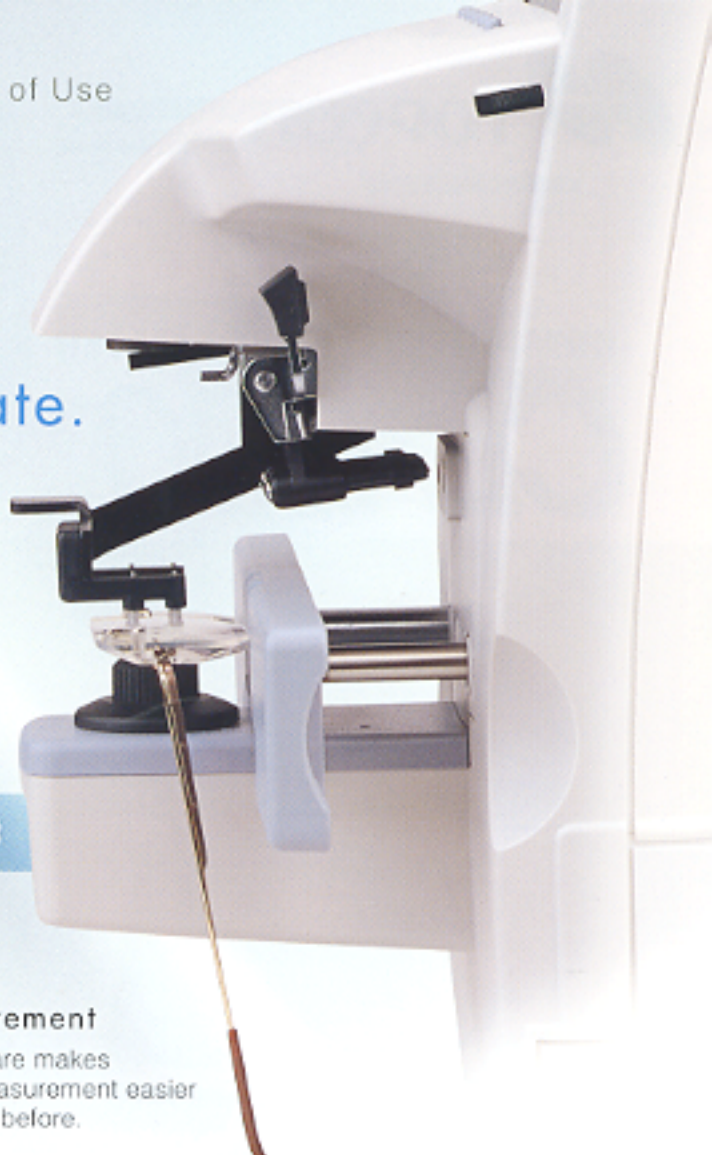
CL-200 

*Green Light
Measuring Beam*

The Topcon CL-200 Lensmeter:

Innovative Technology with Unsurpassed Ease of Use

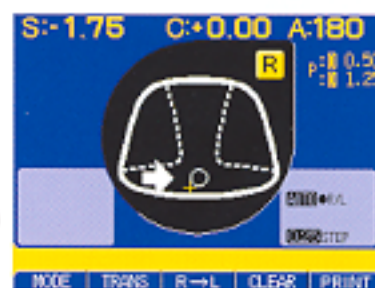
Simple, Fast and Accurate.



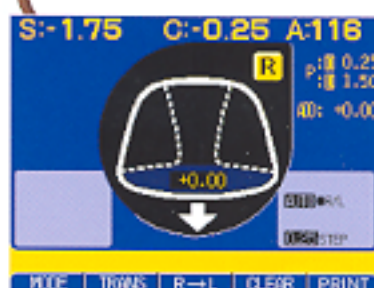
COMPUTERIZED LENS METER

Progressive Lens Measurement

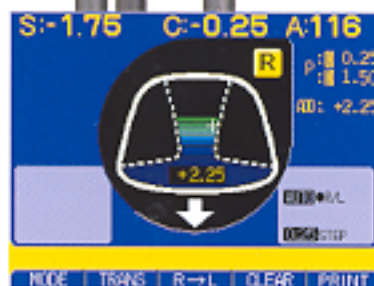
Sophisticated software makes progressive lens measurement easier and faster than ever before.



1 The CL-200 recognizes progressive lenses and shifts the display to an hourglass graphic.



2 Align the lens so that the (+) target is centered.



3 As soon as the target is aligned, the lower section of the hourglass indicates the reading for distance Rx and automatically memorizes it.



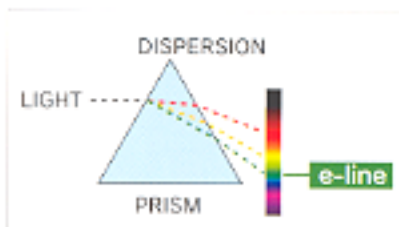
4 Move the lens table to align the glasses along the near point section. The (+) target quickly follows your movement and the right and left arrows indicate if the lens needs to be re-centered. When reaching the maximum ADD, the (+) target will change.



5 Near point reading is automatically memorized.

Green Light Reading Beam

The CL-200 incorporates a newly developed green light reading beam. With this ISO 7944 complying feature, ABBE compensation is no longer required. The TOPCON CL-200 is the first computerized lensmeter to offer this ISO compliant feature that enhances measurement precision.

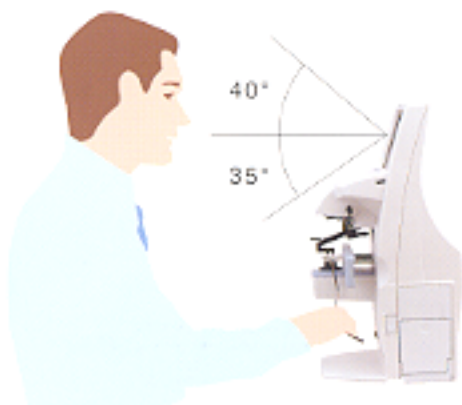


Smart Design, Consistent Results

Ingenuity in the CL-200 design presents for a slim, modern look while providing consistent and reliable results.

Comfortable Operation

The viewing of the LCD screen covers a 75 degree angle of observation allowing clear, comfortable readings from virtually any position regardless of the operator's height. A conveniently located knob permits the brightness of the screen to be adjusted to best suit the working environment.



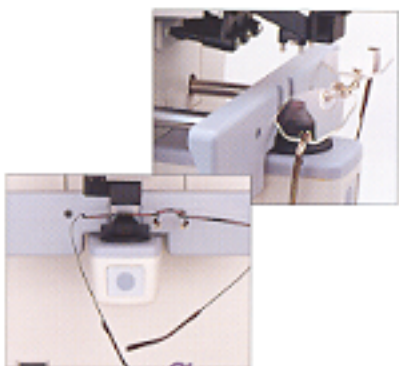
New Color LCD Screen

The wider, newly designed color LCD simplifies the interpretation of the readings, even with progressive lenses. The dynamic color measuring graphics show the ADD values as they are being measured providing better control and ease of use.



New Lens Table

The magnetically operated lens table slides smoothly for easy and comfortable lens reading. Even when measuring small progressive lenses with a near point close to the edge, its smart and minimal design makes measurement of all types of lenses fast and easy.



Contact Lens Measurement

Contact lenses can easily and comfortably be measured using the CL-200 lens plate and ring accessories that come standard with the instrument.



Models

The CL-200 comes in a variety of models to accommodate the needs of all practitioners: CL-200 without printer (CL-200), CL-200 with printer (CL-200P), and CL-200 with printer and PD measurement (CL-200PD).



Fast, Easy to Load Printer

Just drop the roll of paper in the printer receptacle and the quick and quiet printer is ready to work! Uncomfortable threading or sliding of the printing paper is avoided.



Small and Convenient Accessory Box

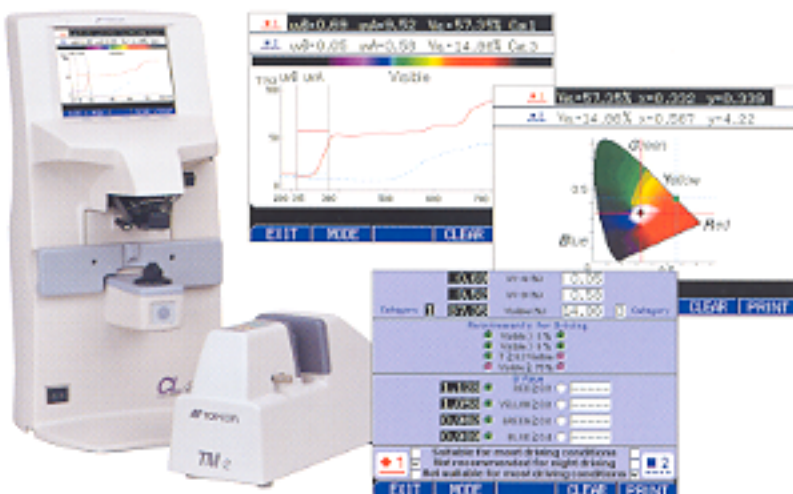
A conveniently located compartment in the back of the instrument provides space to store accessories, ink cartridges and paper.

Optional Accessory : Spectral Transmittance Meter TM-2

A compact multi-functional spectral transmittance meter enables the determination of UV transmission as well as visible light wavelength. The easy-recognizable color graphic display provides comprehensive evaluation of UV cut lenses and other protective lens coatings.

It complies with ISO and ANSI standards, providing a clear specification between conventional eye glasses and sun glasses. This function is useful in demonstrating the benefits of having multiple pairs of glasses, and checking for UV safety. The TM-2 can be used with the CL-200 or with any standard desktop or notebook PC.

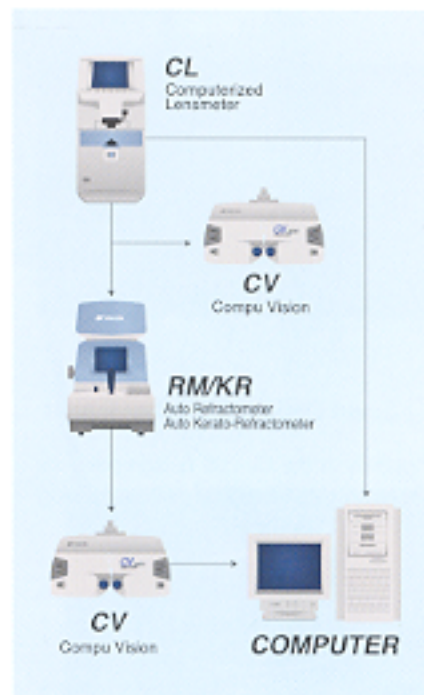
*The TM-2 is available in all but a few of countries.



CL-200 Technical Specifications

Measurement Range	
• Sphere	0 to ±25 D (0.01/0.12/0.25D steps)
• Cylinder	0 to ±10 D (0.01/0.12/0.25D steps)
• Axis	1° to 180° (1° step)
• Addition	0 to +10D (0.01/0.12/0.25D steps)
• Prism	0 to 10Δ (0.01/0.12 /0.25Δ steps)
• Cylinder Mode	MIX / - / +
• Prism Mode	X-Y (Orthogonal Coordinates), P-B (Polar Coordinates), No Display
• Lens Detection	SINGLE / PROGRESSIVE / AUTO
Light Source Green	
Wavelength Criterion e-line/d-line with ABBE compensation	
Lens Diameter φ 5 to 100 mm	
Screen 5.7 inch / 320 x 240 dots Color	
• Data Display S, C, A, P, Add, R/L	
Bar-meter, distance Rx, Add power	
PD measurement Range (on PD model only) 50-90mm	
External Interface RS232C x 2, USB(2.0) x 1	
Power Supply 100-240V / 50VA (Auto Shut-off in 10 minutes)	
Dimensions 200(W) × 220(D) × 410(H) mm	
Weight Approx. 4Kg.	
Drop-in fast Printer Thermal Printer	

System Chart



*Subject to change in design and/or specifications without advanced notice.

IMPORTANT

In order to obtain the best results with this instrument, please be sure to review all user instructions prior to operation.



Certificate No.JP00/18661QA
TOPCON CORPORATION



Certificate No.EC097/1081
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