

# Computerised Lensmeter CL-200



CONNECTING VISIONS



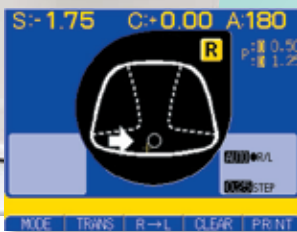
# The Topcon CL-200 Lensmeter

Innovative technology with unsurpassed ease of use

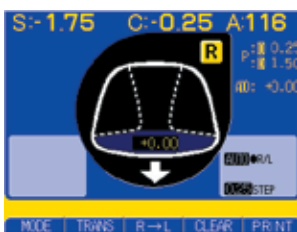
## Progressive lens measurement

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

# Simple, fast and accurate



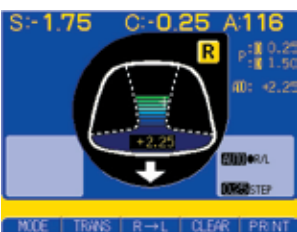
**1** The CL-200 recognises progressive lenses and shifts the display to an hourglass graphicier and faster than ever before.



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



**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 centred. When reaching the maximum ADD, the (+) target will change.



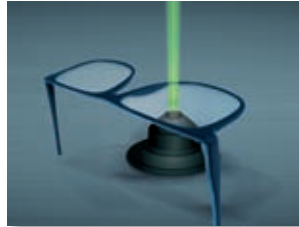
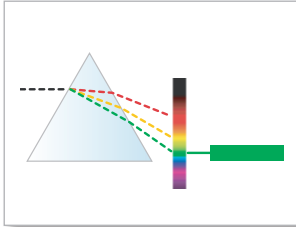
**3** As soon as the target is aligned, the lower section of the hourglass indicates the reading for distance Rx and automatically memorises it.



**5** The CL-200 recognises progressive lenses and shifts the display to an hourglass graphicier and faster than ever before.

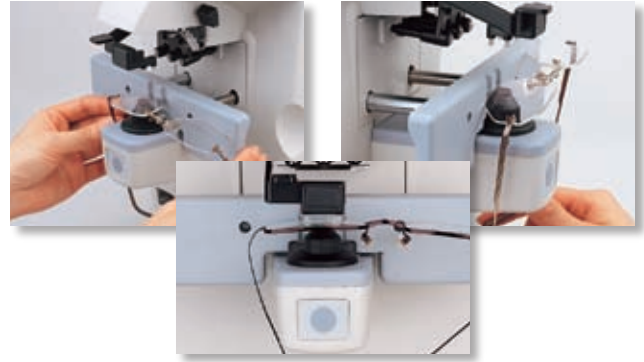
### Green light reading beam

The CL-200 incorporates a newly developed green light reading beam. ABBE compensation is no longer required with this new ISO 7944 compliant feature. The Topcon CL-200 is the first computerised lensmeter to offer this ISO compliant feature to enhance measurement precision.



### New lens table

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

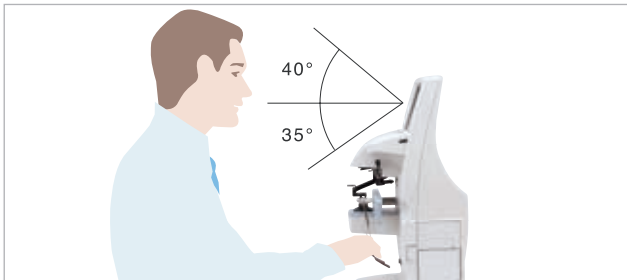


### Smart design, consistent results

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

### Comfortable operation

The LCD screen view 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.



### Contact lens measurement

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



### New colour LCD screen

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



### Models

The CL-200 comes in a variety of models to accommodate the needs of all practitioners: CL-200 without printer (CL200), 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! Awkward threading or sliding of the printing paper is avoided.



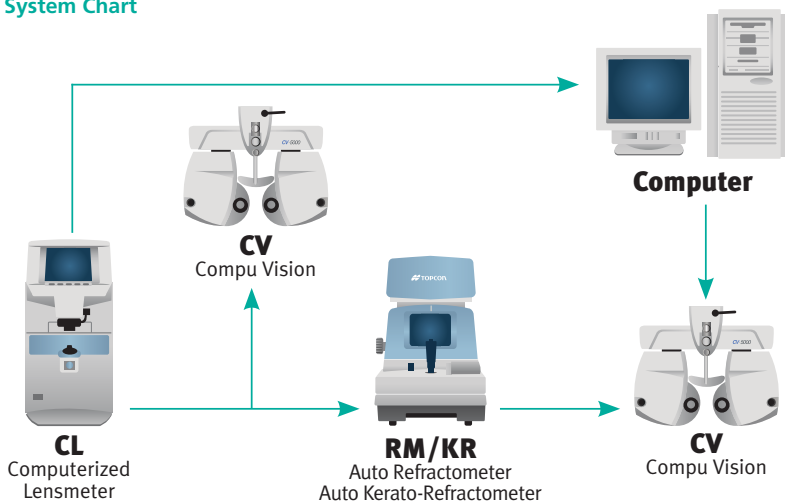
### Small and convenient accessory box

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

## Specifications

<b>Measurement range</b>	
<b>Sphere</b>	0 to ± 25 D (0,10/0,12/0,25D steps)
<b>Cylinder</b>	0 to ± 10 D (0,10/0,12/0,25D steps)
<b>Axis</b>	1° to 180° (1° step)
<b>Addition</b>	0 to + 10 D (0,10/0,12/0,25D steps)
<b>Prism</b>	0 to ± 10Δ (0,01/0,12/0,25Δ steps)
<b>Cylinder mode</b>	Mix / - / +
<b>Prism mode</b>	X-Y (Orthogonal coordinates), P-B (Polar coordinates), No display
<b>Lens detection</b>	Single / Progressive / Auto
<b>Light Source</b>	Green
<b>Wavelength criterion</b>	e-lined / d-line with ABBE compensation
<b>Lens diameter</b>	Ø 5 to 100 mm
<b>Screen</b>	5,7 inch / 320 x 240 dots colour
<b>Data display</b>	S, C, A, P, Add, R/L Bar-meter, distance Rx, add power
<b>PD-Measurement range (on PD model only)</b>	50-90 mm
<b>External Interface</b>	RS232C x 2, USB(2.0) x 1
<b>Power supply</b>	100-240V / 50VA (Auto shut-off in 10 minutes)
<b>Dimensions</b>	200(W) x 220(D) x 410(H) mm
<b>Weight</b>	Approx. 4kg
<b>Drop-in fast printer</b>	Thermal printer

## System Chart



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\* 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.

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