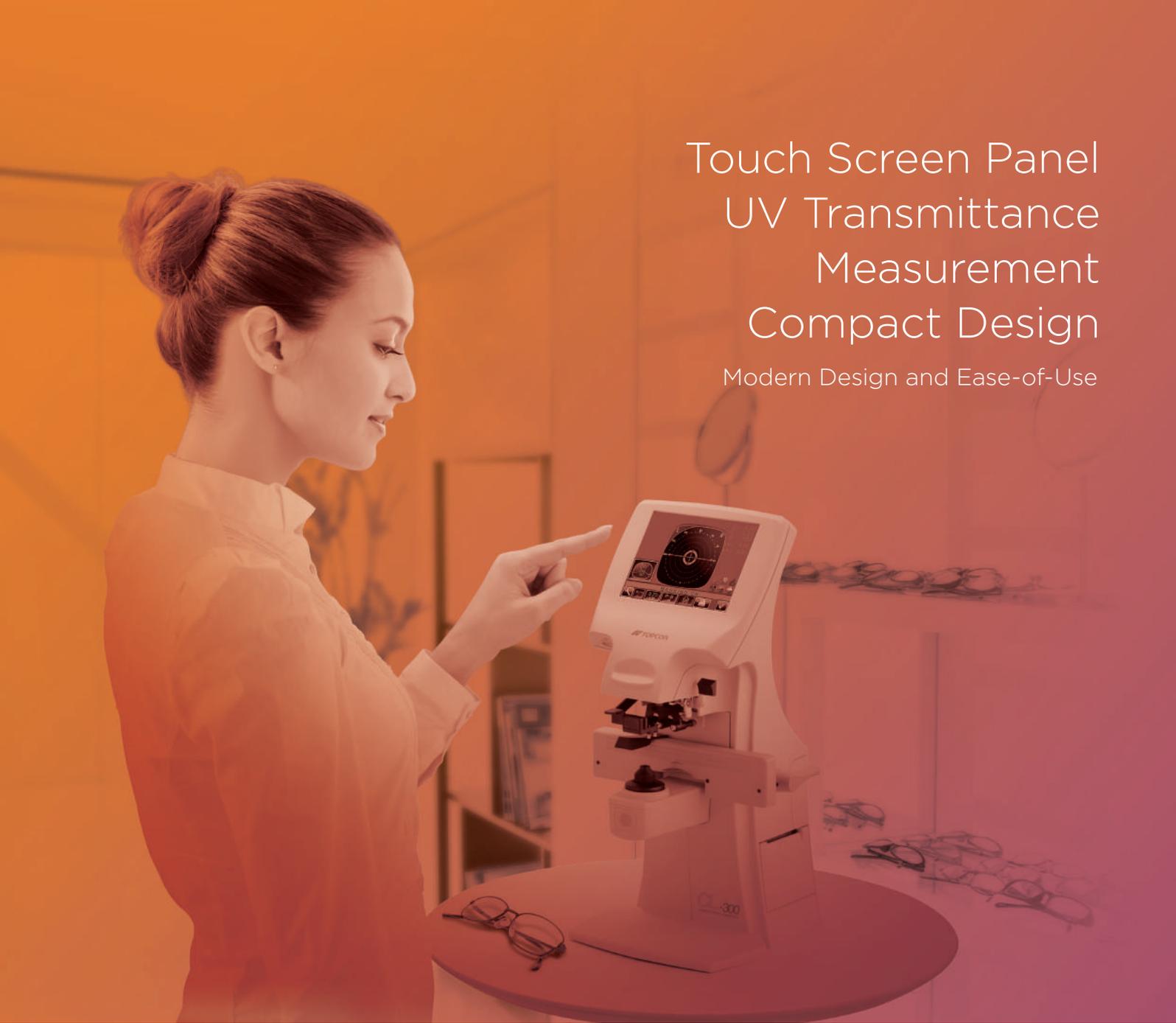


CL-300

Computerised Lensmeter





Touch Screen Panel
UV Transmittance
Measurement
Compact Design
Modern Design and Ease-of-Use

CL-300 Computerised Lensmeter

The UV measurement function of the CL-300 provides comprehensive data to both optometrists and patients. The compact, ergonomic design and intuitive touch screen ensure that measurements can be easily and quickly obtained.

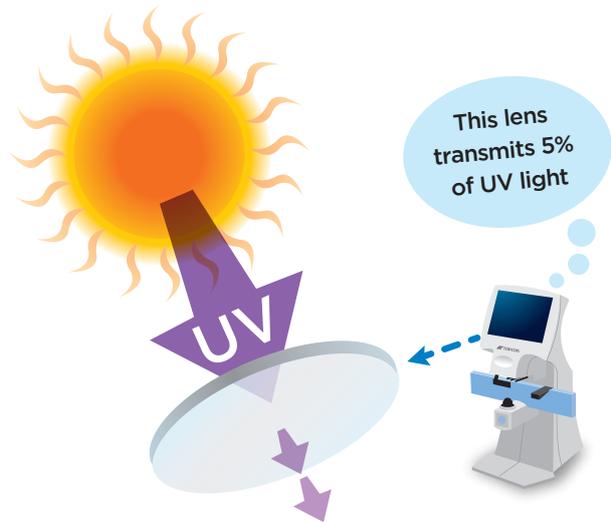
FEATURES

- >> LCD Touch Screen
- >> UV Transmittance Measurement
- >> Compact, ergonomic design
- >> Green Measurement Light Beam
- >> Automatic Mono- & Multi-focal Detection

UV Transmittance Measurement Function

The UV Measurement Function provides information on the ultraviolet transmittance in the range of 0% to 100%, providing reliable measurement results for both eyeglasses and sunglasses.

* UV Transmittance Measurement is performed with the light beam of 365 nm wavelength.



Multi-focal Lens Measurement

Single and multifocal lenses can be easily measured. The CL-300 also features automatic detection for single and progressive lenses.

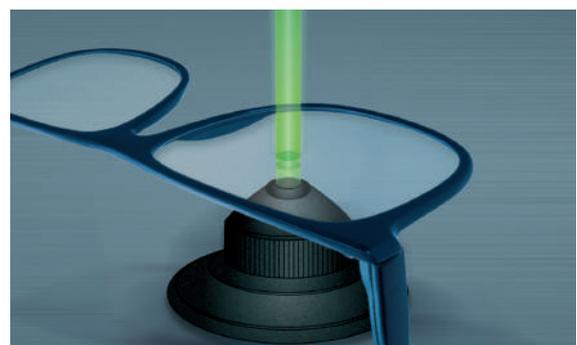
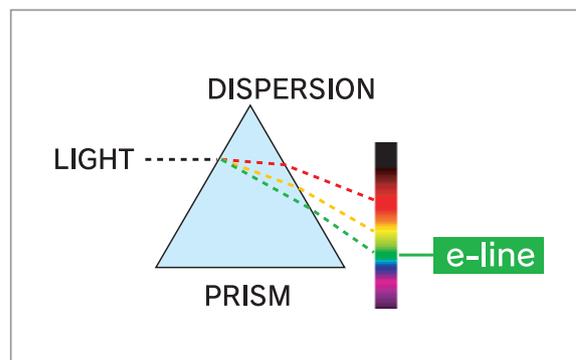
Green Light Beam

The CL-300 incorporates the green light reading beam, also known as e-line, to enhance precision and reduce the chance of errors, especially for progressive lenses. The wavelength of 546nm is standardised by ISO 7944, ensuring consistent and precise measurements.



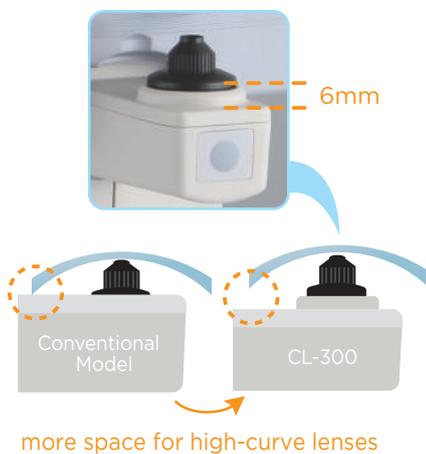
Example: Progressive Lens Measurement

This image shows a near point measurement screen. The ADD value can be easily obtained by following the guides in the progressive measurement mode.



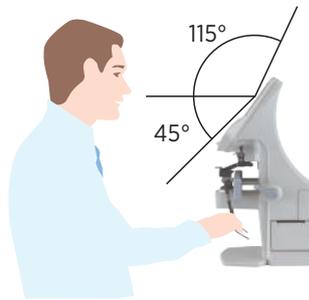
Improved Lens Support

The enhanced design of the CL-300 offers 6mm of additional height to the lens support compared to the conventional model. This enables smooth measurement of high-curve lenses by helping to prevent contact between the lens edge and external parts of the lens support.



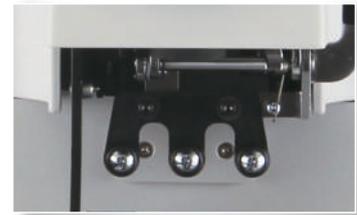
Large 5.7 inch LCD Monitor with Wider Directional Angle

The wide LCD touch screen covers a 160 degree angle of observation allowing clear, readings from virtually any position.



White Ink Cartridge Standard

White marking ink comes standard in the CL-300 and provides clear marking, even on lenses with anti-stain and anti-fog coating.



Models and Marking Ink

	White Ink	Red Ink
Cartridge Type	standard	optional
Holder Type	—	standard

* For availability in your region and other details please refer to the local TOPCON authorized representative.

Contact Lens Measurement

Contact lenses can be easily measured using the CL-300 lens support and ring accessories, which come standard with the instrument.



Fast, Easy to Load Printer

The built-in thermal printer is fast and easy to use load, helping to save time and enhance workflow.



Printout Sample

TOPCON CL-300			
<R>	S	C	A
	+0.00	+0.00	180
ADD 0.75			
PSM	0.00	OUT	0.00
<L>	S	C	A
	+0.75	+0.25	85
ADD 0.75			
PSM	0.00	OUT	3.50 DWN
TOPCON Optical Store			

Easy and Fast Operation

The 5.7 inch touch screen monitor simplifies the interpretation of readings, even with progressive and multi-focal lenses. The dynamic colour measuring graphics follow the measuring process and present each step of the operation in a different color, enhancing the ease of use.



1

Lens table support enables easy placement of eyeglasses.



2

After the lens is placed, the optical center (+) appears with the **"BLUE"** bar.



3

"ALIGNMENT OK" is displayed when the target (+) comes within the circle. When BEEP function is ON, the buzzer will sound.



4

The measured data is memorised automatically with the **"MARKING OK"** when the target is aligned in the exact center (at 0 Δ).

To complete marking, secure the lens with the lens retainer to ensure accurate stamping with the equipped marking cartridge.

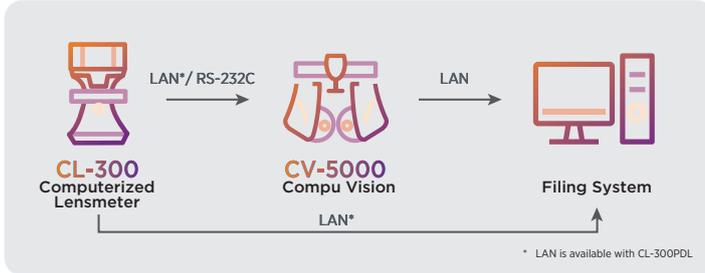
SPECIFICATIONS

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	0 to 180°(1°step)
	Addition	0 to + 10D (0.01/0.12/0.25D steps)
	Prism	0 to 10 Δ
Cylinder Mode	MIX / - / +	
Prism Mode	X-Y (Orthogonal Coordinates), P-B (Polar Coordinates), No Display	
UV Transmittance	0 ~ 100% (1% / 5% steps)	
Lens Detection	AUTO for single & progressive lenses	
Contact Lens Measurement	Hard / Soft contact lens	
Light Source	Green Light Source, for UV Measurement (365nm)	
Wavelength Criterion	e-line/d-line with ABBE compensation	
Lens Diameter	$\phi 5$ to 100 mm	
Screen	5.7 inch color touch screen	
PD Measurement Range*	50-90mm	
External Interface	RS-232C , LAN *	
Power Supply	100-240V / 50/60Hz 1.2A (AC Adapter) : AUTO power save	
Dimensions	197(W) \times 220(D) \times 404(H) mm	
Weight	3.8Kg	

*CL-300PDL model only

Models	CL-300	CL-300PDL
PD measurement	-	included
Printer	included	included
LAN	-	included

SYSTEM CHART



Contact Topcon subsidiaries or dealers for system configurations.

IMPORTANT In order to obtain the best results with this instrument, please be sure to review all user instructions prior to operation. Not all products, services, or offers are available in all markets. Contact your local distributor for country-specific information and availability.

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