

Computerized Lensmeter CL-300



Touch Screen Panel UV Transmittance Measurement Compact Slim Body

- Modern Design with Ease-of-Use -



CL-300 Computerized Lensmeter

With a new UV Measurement Function, the CL-300 provides comprehensive data to both eyeglass wearers and optometrists. Its compact, ergonomic design and intuitive touch screen panel ensures that measurements can be easily and quickly obtained.

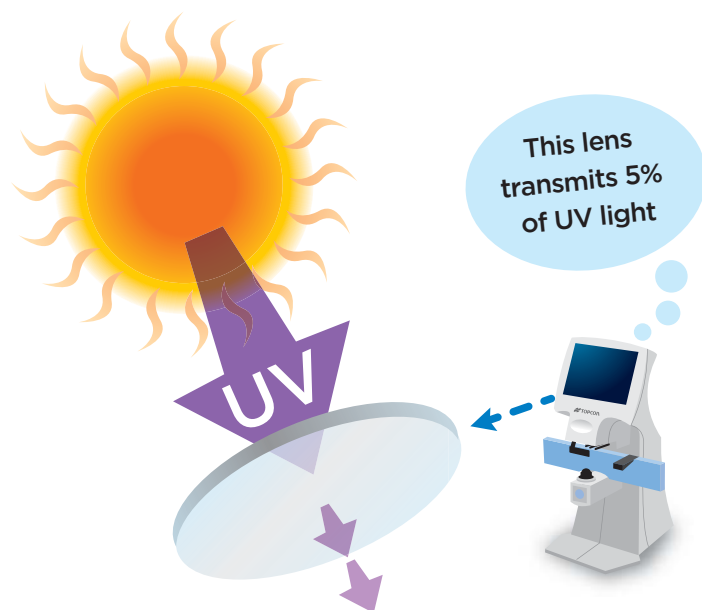
Features

- » LCD Touch Panel
- » Compact Slim Body
- » Automatic Mono- & Multi-focal Detection
- » UV Transmittance Measurement
- » Green Measurement Light Beam

UV Transmittance Measurement Function

The CL-300's new UV Measurement Function provides information on the ultraviolet transmittance in the range of 0% to 100%, providing reliable measurement results to both eyeglass and sunglass wearers.

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



Multi-focal Lens Measurement

Not only single lenses but also multifocal lenses can be easily measured. The CL-300 also features automatic detection for single and progressive lenses.

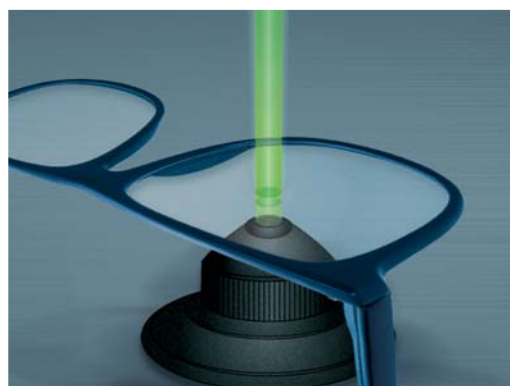
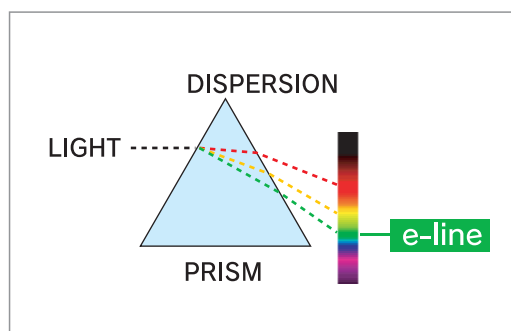


example: Progressive Lens Measurement

The image shows a near point measurement screen. With simple operation, the ADD value can be obtained by following the guide instructed on this progressive measuring mode.

Green Light Beam

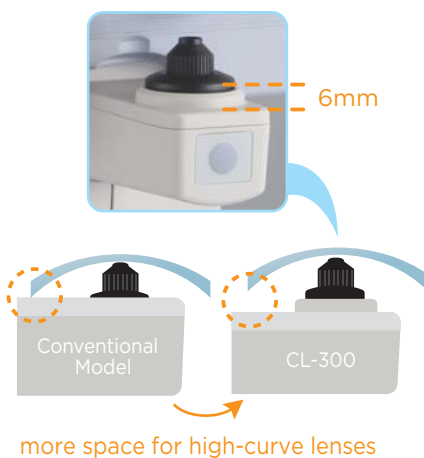
The CL-300 incorporates the green light reading beam, which is also known as e-line. Due to the wavelength of 546 nm, the e-line can be well-sensed by the human's eye and it is determined as a standard by ISO 7944. Using green light beam in our instrument enhances lens measurement precision and reduces the chance of error in the measurements.



CL-300 Features

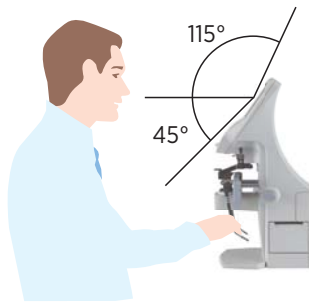
Improved Lens Support

Due to its new design, the lens support of the CL-300 is 6 mm more in height compared to the conventional model. This change enables smooth and trouble-free measurement of high-curve lenses, preventing from troublesome contact of the lens edge with external parts of the lens support.



Large 5.7 inch LCD Monitor with Wider Directional Angle

The wide LCD monitor covers a 160 degree angle of observation allowing clear, compatible readings from virtually any position regardless of the operator's height.



White Ink Cartridge Standard

The newly featured white marking ink provides clear marking even on lenses with anti-staining and anti-fog coating. Due to these favorable qualities, TOPCON made the white marking ink standard in the new CL-300.



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 that come standard with the instrument.



Fast, Easy to Load Printer

Loading the thermal paper into the printer has never been easier. Just drop the printer paper into the receptacle and close the cover. The quick and quiet printer is ready to go. This improvement saves time and enhances workflow.



Printout Sample

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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

Smart & Smooth Operation

Easy and Fast Operation

The large, newly designed color LCD monitor with a 5.7-inch touch panel simplifies the interpretation of readings even with progressive and multi-focal lenses. The dynamic color measuring graphics follow the measuring process and present each step of the operation with different color, providing better control and ease of use.



1

Smooth lens table support enables easy placement of eyeglasses.



2

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



3

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

In order to do marking, place down the lens retainer to secure the lens and marking is stamped accurately with the equipped marking cartridge.

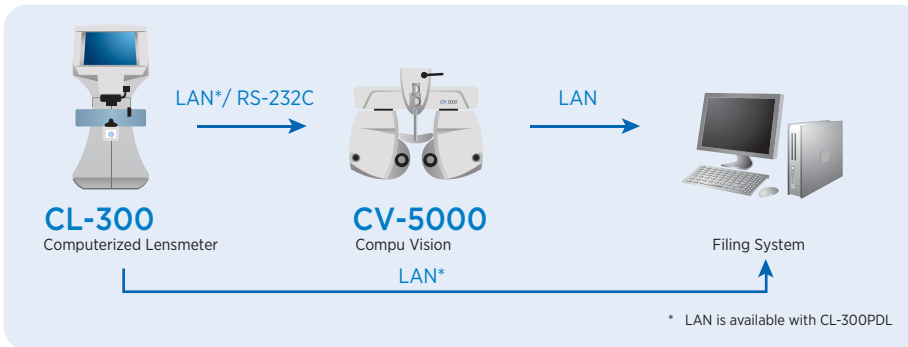
Specifications

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△
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	Refractive Measurement	Green LED 540±5nm
	UV Measurement	UV LED 365±5nm
Wavelength Criterion	e-line/d-line with ABBE compensation	
Lens Diameter	φ5 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) × 220(D) × 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.

*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.



TOPCON CORPORATION

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TOPCON CORPORATION

75-1 Hasunuma-cho, Itabashi-ku, Tokyo 174-8580, Japan. Phone:3-3558-2523/2522 Fax:3-3965-6898 www.topcon.co.jp

TOPCON MEDICAL SYSTEMS, INC.

111 Bauer Drive, Oakland, NJ 07436, U.S.A.
Phone:+1-201-599-5100 Fax:+1-201-599-5250 www.topconmedical.com

TOPCON CANADA INC.

110 Provencher Avenue, Boisbriand, QC J7G 1N1 CANADA
Phone:+1-450-430-7771 Fax:+1-450-430-6457 www.topcon.ca

TOPCON EUROPE MEDICAL B.V.

Essebaan 11; 2908 LJ Capelle a/d IJssel; P.O.Box145;
2900 AC Capelle a/d IJssel; THE NETHERLANDS
Phone:+31-(0)10-4585077 Fax:+31-(0)10-4585045
E-mail: medical@topcon.nl; www.topcon.eu

ITALY OFFICE

Viale dell'Industria 60; 20037 Paderno Dugnano; (Milano), ITALY
Phone:+39-02-9186671 Fax:+39-02-91081091 E-mail: topconitaly@tiscali.it; www.topcon.it

DANMARK OFFICE

Præstemarksvej 25; 4000 Roskilde, DANMARK
Phone:+45-46-327500 Fax:+45-46-327555
E-mail: topcon@topcondanmark.dk www.topcondanmark.dk

IRELAND OFFICE

Unit 276, Blanchardstown; Corporate Park 2 Ballycoolin Dublin 15, IRELAND
Phone:+353-18975900 Fax:+353-18293915 E-mail: medical@topcon.ie; www.topcon.ie

TOPCON S.A.R.L.

BAT A1 3 route de la révolte 93206 SAINT DENIS CEDEX
Tel : +33 1 49 21 23 23 Fax : +33 1 49 21 23 24 E-mail:topcon@topcon.fr; www.topcon.fr

TOPCON DEUTSCHLAND G.m.b.H.

Hanns-Martin-Schleyer Strasse 41; D-47877 Willich, GERMANY
Phone:+49-(0)2154-8850 Fax:+49-(0)2154-885177 E-mail:med@topcon.de; www.topcon.de

TOPCON SCANDINAVIA A.B.

Neogatan 2; P.O.Box 25; 43151 Mölndal, SWEDEN
Phone:+46-(0)31-7109200 Fax:+46-(0)31-7109249 E-mail:medical@topcon.se; www.topcon.se

TOPCON ESPAÑA S.A.

HEAD OFFICE
Frederic Mompou 4 Esc. A Bajos 3, 08960 Sant Just Desvern Barcelona, SPAIN
PORTUGAL OFFICE
Rua da Fonte,6-6A L-0,22,2790-072 Carnaxide,PORTUGAL
Phone:+351-210-994626 Fax:+351-210-938786 www.topcon.pt

TOPCON (GREAT BRITAIN) LTD.

Topcon House,Kennet Side,Bone Lane,Newbury,Berkshire RG14 5PX United Kingdom
Phone:+44-(0)1635-551120 Fax:+44-(0)1635-551170 E-mail:medical@topcon.co.uk; www.topcon.co.uk

TOPCON POLSKA Sp. z o. o.

ul. Warszawska 23; 42-470 Siewierz, POLAND
Phone:+48-(0)32-6705045 Fax:+48-(0)32-6713405 www.topcon-polska.pl

TOPCON SINGAPORE MEDICAL PTE. LTD.

60 Alexandra Terrace, #08-27 The Comtech, Singapore 118502
Phone:+65-68720606 Fax:+65-67736150 E-mail:medical_sales@topcon.com.sg www.topcon.com.sg

TOPCON INSTRUMENTS (MALAYSIA) SDN.BHD.

No. D1, (Ground Floor), Jalan Excella 2, Off Jalan Ampang Putra,
Taman Ampang Hilir, 55100 Kuala Lumpur,MALAYSIA
Phone:+60-(0)3-42709866 Fax:+60-(0)3-42709766

TOPCON INSTRUMENTS (THAILAND) CO.,LTD.

77/162 Sinnsathorn Tower, 37th Floor,Krungthoburi Rd.,Klongtomsai,
Klongsarn, Bangkok 10600,THAILAND
Phone:+66(0)2-440-1152-7 Fax:+66-(0)2-440-1158

TOPCON CORPORATION BEIJING OFFICE

Block No 3, Kangding Street Beijing Economic Technological Development Area,
Beijing,100176,CHINA
Phone:+86-(0)10-6780-2799 Fax:+86-(0)10-6780-2790

TOPCON CORPORATION SHANGHAI OFFICE

14L Huamin Empire Plaza, No.726, Yan-an Xi Road,
Shanghai, 200050, CHINA
Phone:+86-(0)21-5238-7722 Fax:+86-(0)21-5237-0761

TOPCON CORPORATION BEIRUT OFFICE

P.O.Box 70-1002 Antelias,Beirut, LEBANON
Phone:+961-4-523525/523526 Fax:+961-4-521119

TOPCON CORPORATION DUBAI OFFICE

P.O.Box 293705,Dubai Airport Free Zone L.I.U. J-12, Dubai, U.A.E
Phone:+971-4-299-5900 Fax:+971-4-299-5901