

SPECIFICATIONS & PERFORMANCE

FEATURE	SPECIFICATION	
Objective measurement		
Refraction measurement range	Spherical refractive power	-25D - +22D ¹
	Cylindrical refractive power	0D - ±10D ¹
	Cylinder axial angle	1° - 180°
Corneal curvature measurement range	Corneal curvature radius	5.00mm - 10.00mm
	Corneal refractive power	67.50D - 33.75D (Conversion value when the corneal refractive ratio is 1.3375)
Minimum measurement unit	Spherical/cylindrical refractive power	0.12D
	Cylinder axial angle	1°
	Corneal curvature radius	0.01mm
	Corneal refractive power	0.12D
Display of measured value	Displayed on the screen of the operation controller	
Minimum measurable pupil diameter	φ2.0mm	
PD measurement range	50mm - 80mm	
Minimum PD measurement unit	0.5mm	
Subjective measurement		
Refraction measurement range	Spherical power/ADD/ Cylindrical power These must meet all the conditions mentioned at the right ⁴	-18.00D ≤ Equivalent spherical power ≤ +18.00D ² -8.00D ≤ Cylindrical power ≤ 0.00D ³
	Cylinder axial angle	1° - 180°
	Horizontal prism (One eye movable range)	±15.0 Δ ⁵
	Vertical prism (One eye movable range)	±5.0 Δ
Minimum measurement unit	Spherical/ADD refractive power	0.25D
	Cylindrical refractive power	0.25D
	Cylinder axial angle	1°
	Prism refractive power	0.1 Δ
Test distance	Far-/Near-point test distance can be set between 25cm and 6.096m	
Visual acuity measurement range⁶	0.05 - 1.6 decimal	
Charts	Visual acuity charts, spherical power correction charts, astigmatism correction charts and binocular function charts	
Display of measured value	Displayed on the screen of the operation controller	
Record of measured value	Printing by thermal printer/external printer, data output	
Measuring head movement	Right-and-left direction	Inside -9.0mm to Outside +12.5mm
	Up-and-down direction	Down 15mm to Up 15mm
	Back-and-forth direction	Forward: 20mm - Backward: 20mm
Measuring head rotary angle	Convergence 17.5° to Divergence 8.5° (Eyeball torsion axis center)	
Power supply	AC100 - 240V 50-60Hz	
Power consumption	160VA	
Dimensions and weight (main unit)	525mm (H) × 722mm (W) × 278mm (D), 31.2kg	

*Not available in all countries. Please check with your local distributor for availability in your country.

1. The dioptric powers are indicated with reference wavelength λe = 546.07 nm

2. The conversion value with "VD=12mm" is described here.

3. The conversion value with the pupil power (VD=3mm) is described here.

4. The value described here is the maximum value. The measurement range is smaller according to the test distance setting for executing a test or the setting conditions of VD during measurement.

5. The value described here is the maximum value. The measurable range is smaller according to the combination of the patient's PD and the test distance.

6. 0.1 - 1.6 complies with ISO 10938

IMPORTANT

Subject to change in design and/or specifications without advanced notice. In order to obtain the best results with this instrument, please be sure to review all user instructions prior to operation. Medical device MDD Class Im. Manufacturer: Topcon Corporation.



TOPCON CORPORATION

TOPCON EUROPE MEDICAL B.V.
Essebaan 11, 2908 LJ Capelle a/d IJssel
P.O. Box 145, 2900 AC Capelle a/d IJssel
THE NETHERLANDS
Phone: +31-(0)10-4585077
Fax: +31-(0)10-4585045
E-mail: medical@topcon.com
www.topcon-medical.eu

TOPCON ESPAÑA S.A.
Frederic Mompou, 4, 08960 Sant Just Desvern
Barcelona, SPAIN
Phone: +34-93-4734057
Fax: +34-93-4733932
E-mail: medica@topcon.es
www.topcon-medical.es

TOPCON DEUTSCHLAND G.M.B.H.
Hanns-Martin-Schleyer Strasse 41,
D-47877 Willich, GERMANY
Phone: (+49)2154-885-0
Fax: (+49)2154-885-177
E-mail: info@topcon-medical.de
www.topcon-medical.de

TOPCON (GREAT BRITAIN) MEDICAL LIMITED
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-medical.co.uk

TOPCON DANMARK
Praestemarksvej 25, 4000 Roskilde
DANMARK
Phone: +45-46-327500
Fax: +45-46-327555
E-mail: info@topcon.dk
www.topcon-medical.dk

TOPCON ITALY
Viale dell'Industria 60,
20037 Paderno Dugnano, (MI) ITALY
Phone: +39-02-9186671
Fax: +39-02-91081091
E-mail: info@topcon.it
www.topcon-medical.it

TOPCON POLSKA SP. Z. O. O.
ul. Warszawska 23, 42-470 Siewierz
POLAND
Phone: +48-(0)32-670-50-45
Fax: +48-(0)32-671-34-05
E-mail: info@topcon.pl
www.topcon-medical.pl

TOPCON IRELAND MEDICAL
Unit 292, Block G, Blanchardstown,
Corporate Park 2 Ballycoolin
Dublin 15, D15 DX58, IRELAND
Phone: +353-12233280
E-mail: medical.ie@topcon.com
www.topcon-medical.ie

TOPCON SCANDINAVIA A.B.
Neongatan 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-medical.se

TOPCON FRANCE MEDICAL S.A.S.
1 rue des Vergers, Parc Swen,
Bâtiment 2, 69760 Limonest, FRANCE
Phone: +33-(0)4-37 58 19 40,
Fax: +33-(0)4-72 23 86 60
E-mail: topconfrance@topcon.com
www.topcon-medical.fr