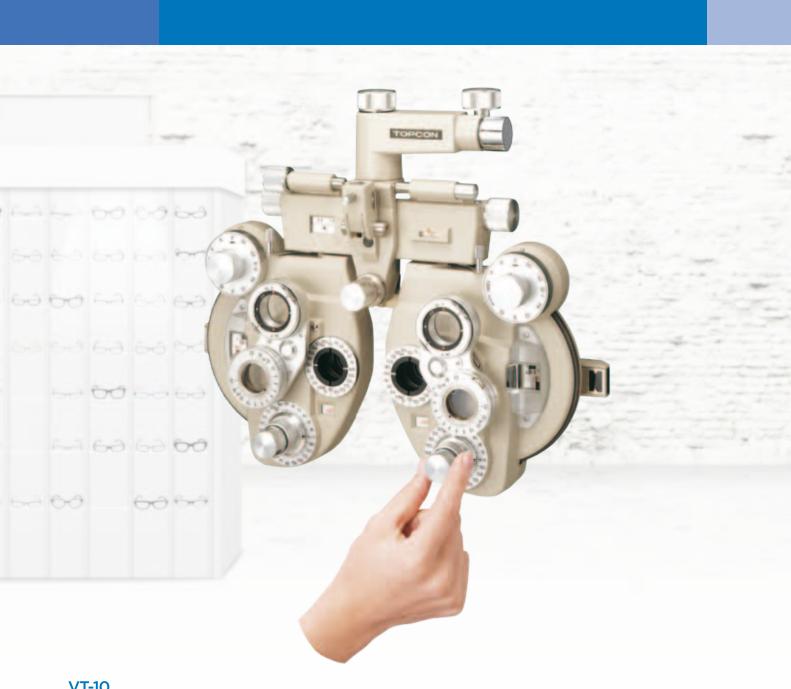
VT-10 Vision Tester





HIGH QUALITY & PRECISION



VT-10

The VT-10 vision tester is the basic phoropter in the Topcon product range. The Topcon VT-10 is a reliable no-nonsense vision tester, which incorporates a wide array of lenses in order to perform all the refractive tests which you need.

- » Wide testing range
- » Synchronized cross cylinders
- » Easy controls & clear scales
- » Simple convergence system
- » Multi-coated optics
- » A wide range of versatile auxiliary lenses
- » Fast, precise result

Wide testing range

The testing range available with the VT-10 is extraordinary, the standard cylinder power range extends to 6,000 in 0.25D increments. In addition, auxiliary lens sets are incorporated to fine-tune cylinder power measurements to 0.12D increments or extend cylinder power range to 8.00D. Accurate prism reading even below 0.5 \triangle are possible thanks to the 20 \triangle range (1 \triangle increments) of the precision-geared rotary prism loupes. The VT-10 is also available in plus or minus cylinder models.

Synchronized cross-cylinders

The most significant time-saving feature of the VT-10 is its synchronization of cross cylinder loupe rotation to cylinder axis adjustment. Special gearing automatically synchronizes the rotation of the loupe each time you change cylinder axis correction. The result? You simply read a single scale, one time, after completing a full series of axis checks. The bi-loupe turrets lets you index power or axis loupes with a single touch.

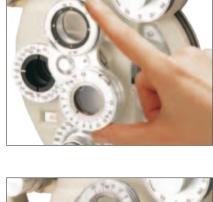
Easy controls & clear scales

Control of cylinder axis and power testing is amazingly simple; concentric control knobs within a double-calibration axis scale make adjustment a quick, one hand action through the full 360° range. The axis scale reads in 5° increments, with 15° markings. An additional axis is located at the main aperture, for convenient reference during retinoscopy. The low position of the control knobs keeps the operator's hands out of the line of vision.

A wide range of versatile auxiliary lenses

The Topcon VT-10 comes with a full complement of versatile auxiliary lenses – 10 different lenses plus two open apertures, any of which can be indexed into position with one touch speed and convenience. A red lens/green lens shift, for example, is immediately available for binocular vision testing. The auxiliary lens plate has a flat black finish to prevent stray reflections during use.











Specifications

Туре	Subjective refraction testing equipment	
Item		The value in () is with accessory lens or auxiliary lens attached:
	Муоріа	0 to -19.00D in 0.25D step (0.12D step)
	Hyperopia	0 to +16.75D in 0.25D step (0.12D step)
	Astigmatism	0 to -6.00D (-8.00D) in 0.25D step (0.12D step)
	Cross-Cylinder	±0.25D (±0.37D and ±0.50D as option)
	Phoria and vergency	20∆ to 0 to 20∆ by 1∆ step Inner 40∆ Outer 40∆ (50∆) Upward and Downward 40∆ (46∆)
	Near vision test	Main optical axes of both lenses converges by means of a tilt mechanism at 40cm in front of the eyes at 64mm P.D. If P.D. for far vision is less than 54mm, converging operation stops.
	Binocular balance test	Rotary prism and polarizing lens methods are available.
	P.D.	48 to 75mm by 1mm step
	Level adjustment	More then 4.5° for right and left banks
	Dimensions	335 (at 64mm P.D. setting) x 97 x 294mm
	Weight	4.5kg
Content of auxiliary lens dial	"0 /0"	Open Aperture
	"R"	Retinoscopic Lens: +1.50D standard +2.00D option
	"Р"	Polarizing Filter
	"WMV/RMV"	Maddox Rod, vertical: white (left) red (right)
	"WMH/RMH"	Maddox Rod, horizontal: white (left) red (right)
	"GL"	Green Lens (left)
	"RL"	Red Lens (right)
	" +.12"	+0.12D Spherical
	"РН"	Pin Hole
	"10 I"	10 Diopter Prism Base In (left)
	"6 U"	6 Dloptor Prism Base Up (right)
	"±.50"	±0.50D Fixed Cross Cylinder
	"OC"	Occluder

Plus and minus cylinder models available, also the choice of color-black or light grey.



Accessories

The holder for rotary near point card mounts to a sturdy rod with a distance scale from 5 to 28 inches - centimeter and diopter scales are included. A hinged bracket moves into position immediately, or raises it out of the way.



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.

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.eu; www.topcon-medical.eu

Topcon Danmark Praestemarksvej 25; 4000 Roskilde, Danmark Phone: +45-46-327500; Fax: +45-46-327555 E-mail: info@topcondanmark.dk www.topcondanmark.dk

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.se

Topcon España S.A. HEAD OFFICE; Frederic Mompou, 4; 08960 Sant Just Desvern: Barcelona, Spain Phone: +34-93-4734057; Fax: +34-93-4733932 E-mail: medica@topcon.es; www.topcon.es

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

Topcon France BAT A1; 3 route de la révolte, 93206 Saint Denis Cedex Phone: +33-(0)1-49212323; Fax: +33-(0)1-49212324 E-mail: topcon@topcon.fr; www.topcon.fr

Topcon Deutschland GmbH Hanns-Martin-Schleyer Strasse 41; D-47877 Willich, Germany Phone: (+49) 2154-885-0; Fax: (+49) 2154-885-177 E-mail: med@topcon.de; www.topcon.de

Topcon Portugal Rua da Forte, 6-6A, L-0.22; 2790-072 Carnaxide; Portugal Phone: +351-210-994626; Fax: +351-210-938786 www.topcon.pt

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 www.topcon-polska.pl



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 Ireland

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 TOPCON EUROPE MEDICAL 75-1 Hasunuma-cho, Itabashi-ku, Tokyo 174-8580, Japan. Phone:3-3558-2523/2522 Fax:3-3960-4214 www.topcon.co.jp