

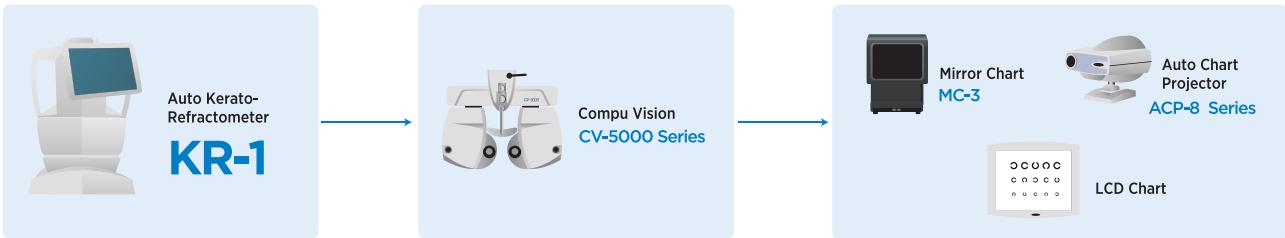
Specifications

REF Measurement	
Measuring range	Hyperopia: 0 to +22D (0.12D/0.25D steps)
	Myopia: 0 to -25D (0.12D/0.25D steps)
	Astigmatism: 0 to ±10D(0.12D/0.25D steps)
	Axial angle: 0 to 180° (1°/ 5°steps)
Minimum measurable pupil diameter	φ 2.0mm
Target fixation	Auto fog system
Kerato Measurement	
Measuring range	Radius of corneal curvature: 5.00 to 10.00mm (0.01mm step)
	Corneal refractory power: 67.50 to 33.75D (0.12D/0.25D steps)
	Proviso: corneal refractive index = 1.3375
	Corneal astigmatic power: 0 to ±10D
	Corneal astigmatic axial angle: 0 to 180° (1°/ 5°steps)

Other Specifications

Ocular Pressure Measurement	
Dimension	275 (W) x 509 (D) x 432~464 (H) mm
Weight	19.9kg
Power Supply	100-240V AC, 50/60Hz, 60VA/100VA

System Chart



*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



TOPCON CORPORATION



EC97J1081

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

TOPCON MEDICAL SYSTEMS, INC.
111 Bauer Drive, Oakland, NJ 07438, U.S.A.
Phone:+1-201-599-5100 Fax:+1-201-599-5250 www.topconmedical.com

TOPCON CANADA INC.
110 Provencier 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
Praestemarkvej 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.
89, rue de Paris 92585 Clichy, FRANCE
Phone:+33-(0)1-41069494 Fax:+33-(0)1-47390251 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)2154-6850 Fax:+49-(0)2154-685177 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
Phone:+34-93-4734057 Fax:+34-93-4733932 E-mail: medica@topcon.es; www.topcon.es

PORTUGAL OFFICE
Rua da Forte,6-9A,L-022,2790-072 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)1635-651120 Fax:+44-(0)1635-651170 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:+65-67738150 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-nan 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 Office C-25(row C-2), Dubai Airport Free Zone, Dubai,
United Arab Emirates
Phone:+971-4-299-5900 Fax:+971-4-299-5901

Auto Kerato-Refractometer
KR-1



The Next Generation of Refractive Care

Topcon, with its wealth and experience in designing and manufacturing refractometers of its performance since 1951, introduces a new concept model, KR-1. The KR-1 becomes stylish and compact than ever before. Furthermore, the angle adjustable control panel enables KR-1 to be installed many different position in your examination room and advanced software has achieved the similar operation feeling as conventional manually controlled Refracto-Keratometer with expert operators. The KR-1 is the leading refracto-keratometer, fitting for operators and patients.

Features

» Simple and Quick Operation

- R/L fully automated measurement
- Simple operation with the touchscreen control panel

» Easy-to-Use Color Touchscreen Control Panel

» Flexible and Space Saving Layout

- The adjustable control panel can be positioned in any direction
- The control panel eliminates the need for a control lever

» Reliable Measurement Accuracy

- Features Topcon's Rotary Prism Technology for reliable, reproducible results

Function & Aesthetics Combine in the **New** KR-1





Unique Points of KR-1



The KR-1 needs easy operation. Simply touch the center of pupil on the control panel, the KR-1 automatically obtains right and left eye information immediately.^{※1} The KR-1 achieves almost the same measuring time as an expert operator takes with a conventional manual refracto-keratometer.^{※2}

Automated!
Just touch
the center of
the pupil.

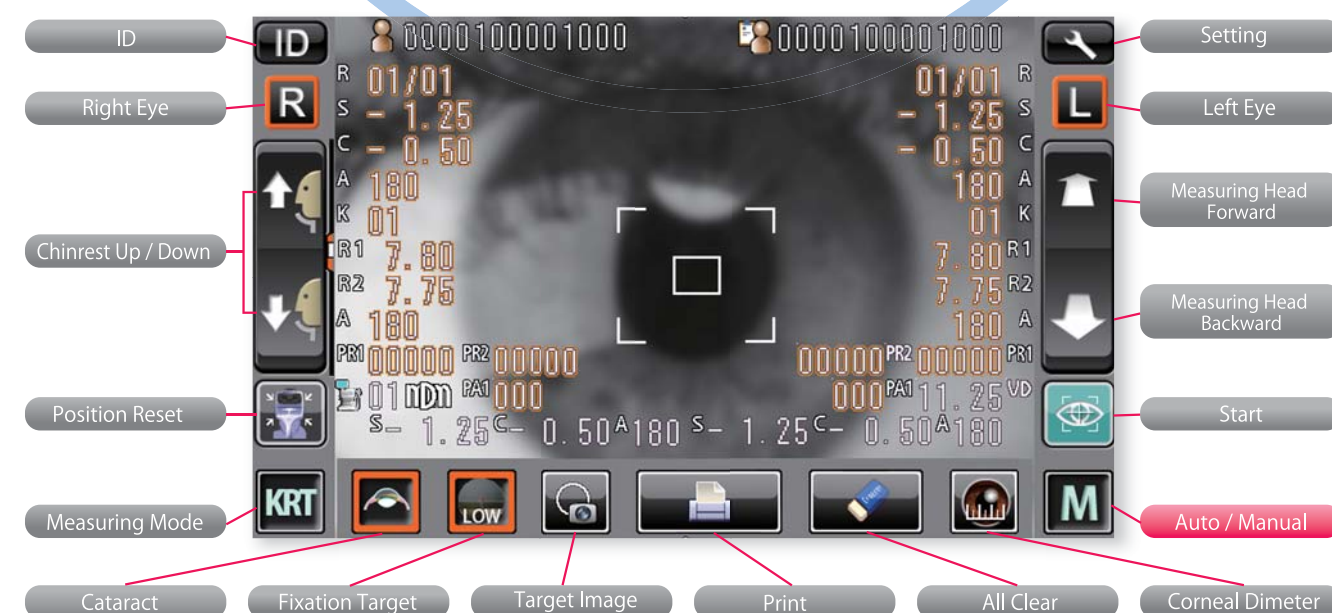
Easy and Speedy Operation

R / L fully automated measurement



Easy to Use Color Touch Panel

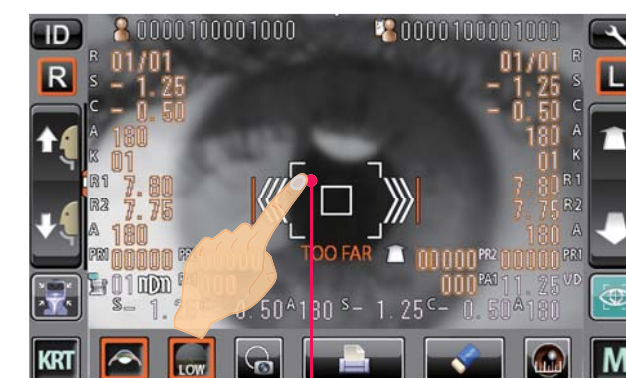
All operation can be performed on the control panel (touch panel) in place of control lever. The KR-1 automatically takes measurement very quickly. Even for a patient's eye with cataract or other abnormal condition, the KR-1 equips special mode buttons.



Special Functions

» Manual Mode Auto / Manual

Select this button to change to manual operation mode for patient who cannot be measured because of corneal diseases or cataract. Intentionally shift the alignment dot to off corneal center and search for the position to obtain the refraction data.



Any Position

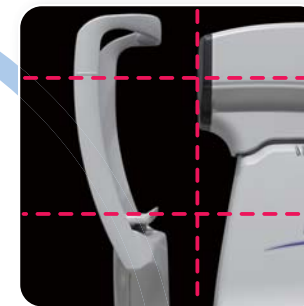
※1 The KR-1 might not measure automatically according to patient's eye condition.
※2 Comparison between Topcon conventional refracto-keratometer and the KR-1.



Comfortable Design for Patients

The KR-1 has ergonomic design so patient head will be able to stay at appropriate position. The optical head slightly inclined (5 degree) from horizontal line enables a patient to hold his/her forehead to the headrest stably during the measurement.

Ergonomic Optical and Headrest Design



Topcon conventional model



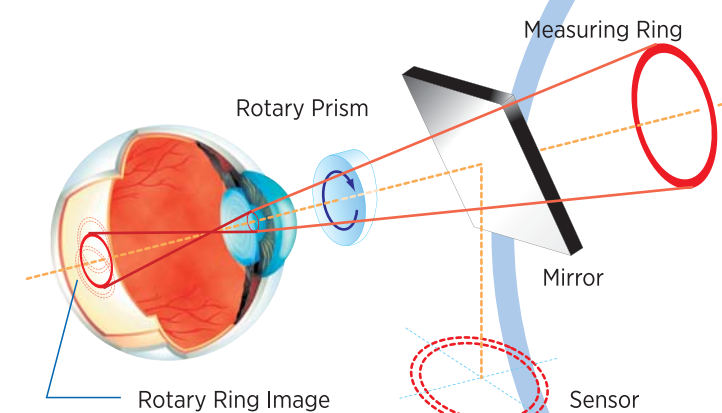
KR-1

Compact Body



- Topcon conventional model (Depth 509mm)
- KR-1 (Depth 445 mm)

Rotary Prism Measuring System (Image)



Stable Measurement Accuracy

With Topcon's exclusive Rotary Prism Technology™, the KR-1 also provides unmatched accuracy and reliability. The innovative optical design incorporated into the KR-1 allows for accurate and reliable measurements with pupil as small as ϕ 2mm.