DEVICE
OPHTHALMIC
TECHNOLOGY

TOPCON Healthcare
SEEING EYE HEALTH DIFFERENTLY

TRK-2P

Auto Kerato-Refracto-Tonometer

PIONEERING ***OPHTHALMIC TECHNOLOGY***

4in1 Advanced Pretesting Station TRK-2P.

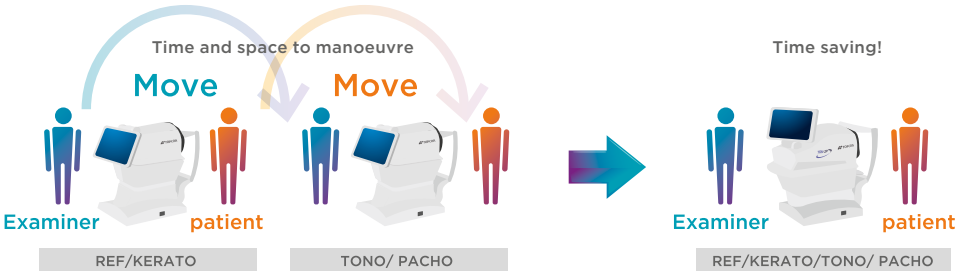
The TRK-2P features a complete Auto-Alignment system, combined with Auto-Refractometer, Keratometer, Non-Contact Tonometer and Pachymeter in one instrument. The rotating touch screen control panel offers total flexibility for the operator and instrument location. The TRK-2P is compact, but without compromise, combining 4 functions into one automated device, enables clincians to save time in pre-test, and save floorspace in their practice.

FEATURES

- Refractometer, Keratometer, Non-Contact Tonometer, and Pachymeter in one single instrument
- Fully automated
- Rotating touch screen control panel
- Compact and modern design

Ultra easy solution in pretesting.

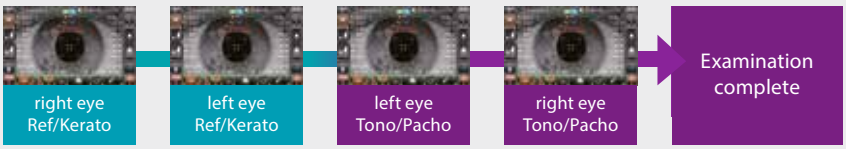
This unique 4 in 1 instrument is ideal for busy and the most modest of screening rooms. The TRK-2P is not only smaller than its predecessor, but the result of a unique combination of 4 instruments in 1 means that one instrument can provide all your pretest requirements. It saves half the space compared to an Auto-Refractometer/Keratometer and Non-Contact Tonometer/Pachymeter. For the patient, transferring from one station to another is no longer required.



Exam 1 (KR-1) Exam 2 (CT-1P) Exam 1 (TRK-2P)

Fully Automated Measurement.

The TRK-2P is fully automated, gathering valuable information from both eyes sequentially, at the touch of a button. The efficient operation results in a faster and more comfortable experience for the patient.



Flexible and Space Saving Layout.

Front Position

Side Position

Back Position

The rotating touch screen control panel enables the instrument to be positioned against the wall; in the corner of the room or in the classic forward facing way. This enables every clinical setting to maximally optimise the space available. The operator also has flexibility to be behind the patient to offer support when needed.

Easy-to-Use 8.5 inches (22cm) colour touch panel monitor.

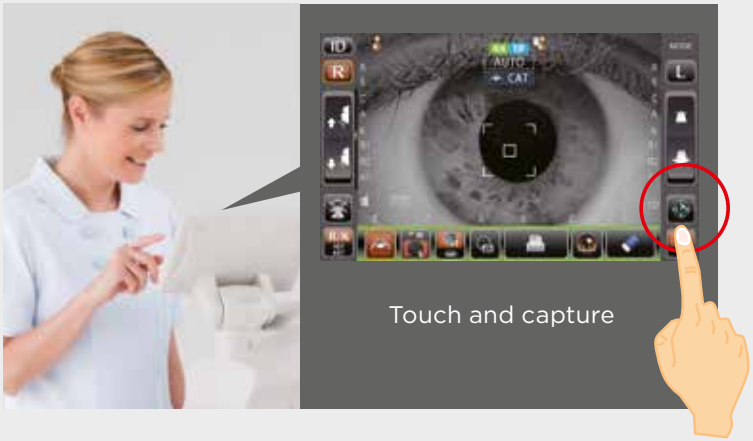
The large screen is multi-functional, offering: manual alignment control; manual capture button and an easy to see display of the live anterior image during the measurement. Each measurement mode is clearly displayed with icons and actions for ring image, pupil diameter, results and menu settings, all of which are easy to use.

Additional Features.

REF KERATO TONO PACHO

Instant Trigger

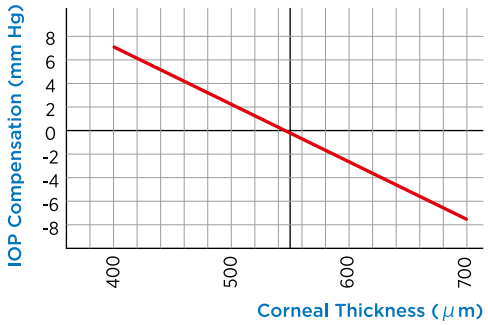
For patients unable to fixate on the same point for a period of time, the TRK-2P has an instant trigger button. The operator is in full control throughout the measurement process and the trigger button can be pressed at any point, even once the auto alignment has started.



TONO PACHO

Pachymetry and IOP Measurements

The built-in pachymetry function assists the practioner in evaluating the IOP related data. The calculated IOP value can be corrected if the cornea is thinner or thicker than the average. The integrated formula for IOP compensation can be customised by the end user based on the latest clinical research.



* The formula of this compensation can be individually adjusted.
Reference: Herndon L. "Rethinking pachymetry and intraocular pressure.", Rev Ophthalmol. 2002; July: 88-90.

TONO PACHO

Manual mode

If required, the TRK-2P can be set in manual mode as well. Tap on the pupil and the TRK-2P will follow your finger position. The distance indication also helps to determine if the head position is forwards or backwards.

REF

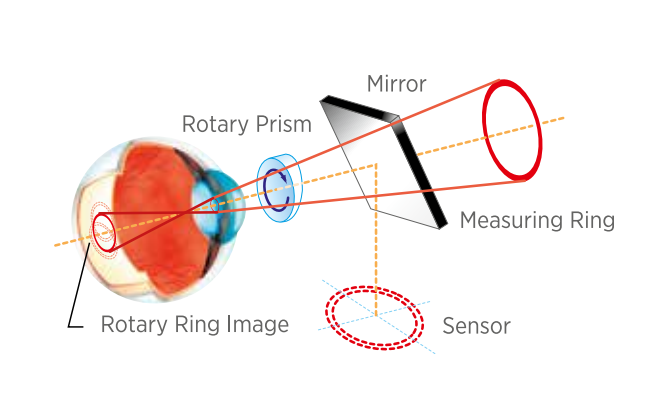
Cataract mode

The cataract mode is available on the automatic and manual setting. This is intended to assist measurement of patients who have cataract or other media opacity, by increasing the exposure.

REF

Rotary Prism Technology

With Rotary Prism Technology, the TRK-2P provides stable measurement. The eccentric rotation of the measurement ring is designed to decrease any artifact from the fundus.



REF KERATO TONO PACHO

Built-in autocut printer

The TRK-2P is equipped with a built-in thermal printer that can be easily loaded with a roll of paper. The TRK-2P cuts the paper automatically at the end of printing.

REF KERATO TONO PACHO

Easy manual alignment with control lever unit accessory LU-1*

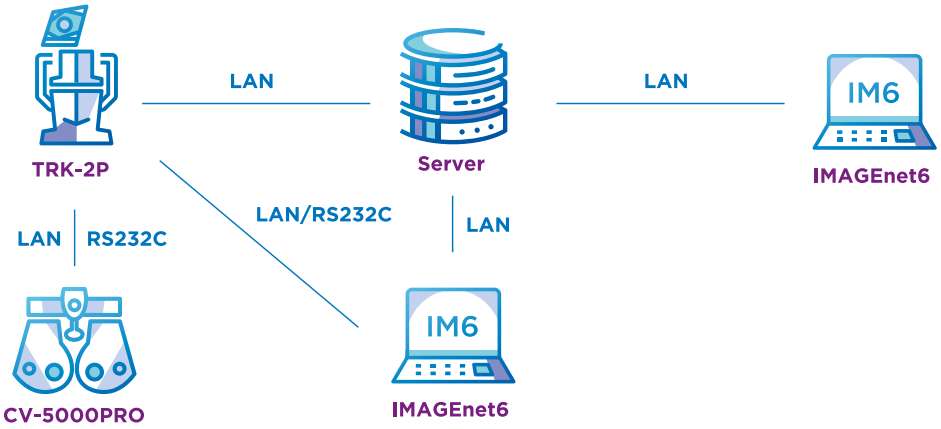
The LU-1 control lever accessory adds manual joystick control for users who prefer it.

TRK-2P SPECIFICATION

REF Measurement	SPECIFICATION
Measuring range	Spherical refractive power: -30D to +25D (0.12D/0.25D steps)* Cylindrical refractive power: 0D to ± 12D (0.12D/0.25D steps)* Direction of astigmatic axis: 0° to 180° (1°/5° steps)
Minimum measurable pupil diameter	Φ 2.0mm
PD measurement range	20 to 85mm (1mm step)
Target fixation	Auto fog system
KRT Measurement	
Measuring range	Corneal curvature radius: 5.00mm to 13.00mm (0.01mm step) Corneal refractive power: 67.50D to 25.9612D (0.12D/0.25D steps) (where corneal refractive power = 1.3375D) Corneal astigmatic power: 0D to ± 12D (0.12D/0.25D steps) Direction of corneal astigmatic axis: 0° to 180° (1°/5° steps)
Ocular Pressure Measurement	
Measuring range	1 to 60mmHg (1mmHg step)
Corneal Thickness Measurement	
Measuring range	0.400mm to 0.750mm (0.001mm step)
Others	
Chinrest travel distance	Up/down: 67mm
Other Specifications	
Dimensions	293~396mm(W) x 505~601mm(D) x 470~682mm(H)
Weight	22.0kg
Power Supply	100-240V AC, 50-60Hz, 100VA

* -30D ≦ spherical refractive power + cylindrical refractive power or spherical refractive power + cylindrical refractive power ≦ +25D

SYSTEM CHART



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.

CE 0123

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