Auto Kerato-Refacto-Tonometer

TRK-2P

TOPCON Healthcare
SEEING EYE HEALTH DIFFERENTLY
Advanced Pre Testing Station TRK-2P
with more than four times the diagnostic capabilities

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 in terms of operator and instrument location. The TRK-2P is compact, yet it offers increased performance and cost savings, putting great emphasis on efficiency.
Features

» Refractometer, Keratometer, Non-Contact Tonometer, and Pachymeter in one single instrument

» Fully automated

» Rotating touch screen control panel

» Compact and modern design

* Not available in all countries, please check with your distributor for availability in your country
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 such unique combination of 4 instruments in 1 means that only one instrument is needed for all your pretest requirements. It saves the half space than Auto-Refractometer, Keratometer, Non-Contact Tonometer. For the patient, travelling from one station to another is no longer required.

Fully Automated Measurement

The TRK-2P is fully automated and both eyes can be measured during one sitting, gathering valuable information quickly. Such efficient operation results in less discomfort to the patient and a speedy examination.
Flexible and Space Saving Layout

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. It optimizes further the room space than keeping the facing position. The operator also has flexibility to be behind the patient to offer support when needed.

Easy-to-Use 8.5 inch color touch panel monitor

The large monitor is very multifunctional, including: manual alignment control panel; manual shooting button; and an easy to see display of 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 are all extremely easy to use.
**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.

**Pachymetry and IOP Measurements**

Studies show that the corneal thickness directly correlates to IOP measurements. The built-in pachymetry function assists the practitioner in evaluating the IOP related data. The calculated IOP value is corrected for thicker or thinner corneas compared to 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.*


**Manual mode**

If required, TRK-2P can be set in manual mode as well. Only to do is tap on pupil then TRK-2P will follow your finger position. Distance indication will also help to determine the head position forward or backward.

**Cataract Mode**

The cataract mode is available either on the automatic or manual setting. This is intended to assist measurement of patients who have cataract or an opacity, by increasing the exposure.
Rotary Prism Technology

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

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.

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

The LU-1 control lever accessory adds manual control for measurement when patient compliance requires it.

*Optional accessory
Specifications

**Measuring range**
- Spherical refractive power: -300 to +25D (0.02D/0.25D steps)*
- Cylindrical refractive power: 0.0 to ±12D (0.02D/0.25D steps)*
- Direction of astigmatic axis: 0° to 180° (1° steps)

**Minimum measurable pupil diameter**: 4.0mm

**PD measurement range**: 20 to 85mm (0.5mm step)

**Target fixation**: Auto log system

**Key Measurements**
- Cornea curvature radius: 5.00mm to 13.00mm (0.01mm step)
- Corneal power: 67.50D to 25.96D (0.02D / 0.25D steps)
- (where: corneal refractive power = 1.3375D)
- Corneal astigmatic power: 0D to ±12D (0.02D / 0.25D steps)
- Direction of corneal astigmatic axis: 0° to 180° (1° steps)

**Ocular Pressure Measurement**
- Measuring range: 1 to 60mmHg (1mmHg step)

**Cornea Thickness Measurement**
- Measuring range: 0.40mm to 0.75mm (0.00mm step)

**Others**
- Chinrest travel distance: up/down: 67mm

**Other Specifications**
- Dimensions: 293-396mm(W) x 505-600mm(D) x 470-682mm(H)
- Weight: 22.0kg
- Power Supply: 100-240V AC, 50-60Hz, 100VA

* 300 is spherical refractive power + cylindrical refractive power or spherical refractive power + cylindrical refractive power ≤ ±25D

**System Chart**

![System Chart Image]

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*Not available for sale in the United States.*
*Not available in all countries, please check with your distributor for availability in your country.*

Subject to change in design and 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.