TX-20P
Full Auto Tonometer

Achieve fast and accurate results for the detection of glaucoma. The tonometer with intelligent, automatic 3D alignment and built-in pachymeter.
Canon has been defining the future with innovative solutions for nearly 70 years. In all that time we’ve constantly strived to improve medical diagnostics in healthcare. Perhaps that’s what made us a leading global provider of eye care solutions.

Canon Eco
Our actions are based on honesty and sustainability.

Canon Quality
Safety and quality are an integral component of our actions.

Canon Flexibility
Everything we do has to have a superior customer advantage.

Choose the eye care system of the future and let our local, authorized Canon dealer advise you.
A better point of view

TX-20P FULL AUTO TONOMETER & PACHYMETER

We Speak Image
See the big picture. Make decisions with confidence.

The TX-20P. Two in one, tonometer and pachymeter in a single instrument.

Measure intraocular pressure (IOP) and central corneal thickness (CCT) together as well as automatically recalculate the compensated IOP with accuracy and speed. All in a single instrument.

Information about the actual corneal thickness is important because without it can mask accurate readings of IOP and delay diagnosis of glaucoma. Unless taken into account, thicker corneas contribute to overestimation of IOP values and thinner corneas to underestimation.

With fully automated 3D alignment and a built-in pachymeter the TX-20P is much more than just a tonometer. Canon’s latest technology reduces the risk of misreading intraocular pressure and is set to make a significant contribution to detecting potential glaucoma in patients.
Fully Automatic, Non Contact Tonometer combined with a Pachymeter

The TX-20P is a multi-functional ophthalmic instrument that measures IOP and CCT and then automatically calculates the corrected IOP.

Advanced intelligent 3D fully automated operation

Simply initiate the examination and multiple IOP and CCT measurements of the right and left eye will be done completely automatically.

Just press the button

No special skills required; just align on the pupil and the advanced intelligent automatic operation will take over, making the instruments very easy to use. The results will always be just as accurate, completely independent of the operator.

Extremely accurate

The TX-20P will automatically calculate the corrected IOP based on the CCT values. Since the measurements are done extremely fast, any movement of the patient will not influence the measurement accuracy.

More than just a very accurate Tonometer

The CCT values can also be displayed together with the pachymetry image.

Fast and timesaving

The TX-20P will align and measure extremely fast, even the print out and paper cut off are done automatically, reducing examination time.

Space saving

No need for two devices, the TX-20P is one compact and sleek instrument.

Excellent ergonomics

The tilting 5.7” colour LCD screen makes it possible to operate the TX-20P while standing or sitting.

Patient friendly

The soft air puff and short examination time make the TX-20P very comfortable for the patient.

Lower and upper IOP warning

To assist during screening, threshold values can be changed to your requirements.

Intelligent powered joystick

For 3D alignment and initiating measurement.
Accuracy and speed are essential for optimized workflow efficiency. Due to its intelligent full 3D alignment functionality, the TX-20P can start a complete measurement procedure with only a basic alignment on one eye. With a simple push of the button, the TX-20P conducts automatic examination of both eyes from alignment to printing.

Fast point-and-click alignment

- **Powered Joystick**
  - Accurate, automatic and fast measurement at the push of a button
  - Advanced automated alignment for complete examinations

**Screen views**

- IOP readings, average values and corrected IOP are all clearly displayed on one screen.
- When there is a measurement error caused by blinking or eyelashes, a warning line is clearly shown on the screen.
- Up to 10 IOP readings and CCT values for each eye can be displayed, making checking for any deviating results easy.
- CCT image can be displayed simultaneously with the Pachymeter values for additional information on the central cornea.

**Specifications**

| Dimensions | 260 W x 490 L x 500 H mm |
| Weight     | 15 kg |
| Display    | Tilting 5.7 VGA colour TFT LCD screen |
| Printer    | Thermal line printer with auto cutter |
| Chinrest   | Motorized |
| Interface  | USB Host / RS232C / LAN |
| Power      | 0.8A – 0.4A |
| Power saving mode | YES |
| Optional accessories | Chin rest paper, printing paper |
| Fixation light | Internal or external |
| Warning      | Warning indicator when IOP exceeds predetermined value |
| Input ID Options | Automatic serial number assignment or patient ID input via screen, numeric keyboard, barcode reader (optional) |
| Alignment   | Fully automatic 3D alignment |
| Measurement mode | Fully automatic / automatic / manual |

**INTRAOCULAR PRESSURE MEASUREMENTS**

- Measurement range: 0 – 60 mmHg
- Measurement principle: Air puff non-contact method
- Available measurement display units: mmHg / hPa
- Working distance: 11mm
- Switching range: 30 / 60 mmHg switching

**PACHYMETER MEASUREMENTS**

- Measurement range: 150 – 1300 microns
- Light Source: Blue LED
- Measurement principle: Quantized slit image on central cornea