TX-20
TX-20P

Full Auto
Tonometer
Pachymeter

The TX-20 and TX-20P

Accurate, automatic and fast

The soft air puff and short examination time of the TX-20P contribute to enhanced patient comfort. The TX-20P model additionally is equipped with a pachymeter for measuring the central corneal thickness (CCT) to calculate the important compensated IOP.

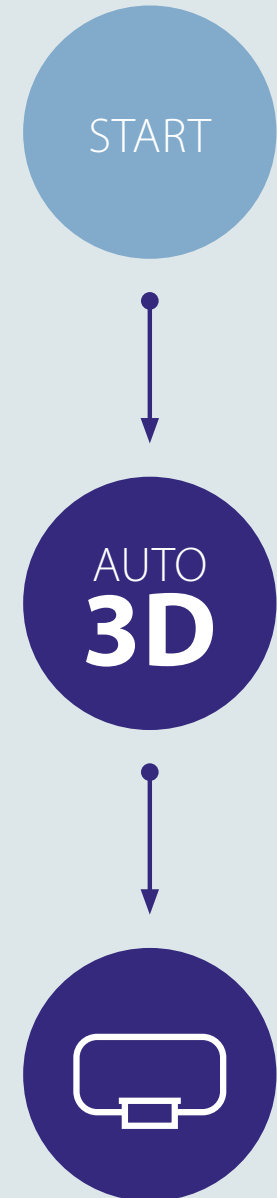### TX-20

Full Auto
Non Contact Tonometer

TX-20P

Full Auto
Tonometer & Pachymeter

Full Auto

Full 3D Automatic alignment and Auto Shoot for effortless operation. With just a simple push of the button, the TX-20/P conducts automatic examination of both eyes from alignment to printing.

START

AUTO
3D

Compact and sleek instrument

Fits easily on any instrument table and the compact build allows for maximum patient interaction.

Range

Two measurement ranges are available : 0~30 or 0~60 mmHg. The device will automatically switch to 60 mode if 30 range is not sufficient.

Fixation lights

The TX-20/P has both an internal as well as two external fixation lights. Essential for examinees with central vision defects.

Operation modes

To suit your requirements: Full Auto (both eyes), Auto (one eye) and manual operation.

Display

The tilting display enables the device to be operated while standing or seated.

Large color screen

Provides a large magnification of the pupil. Switches are placed around the screen. A logical menu guidance on the screen helps you to access all functionalities quickly and intuitively.
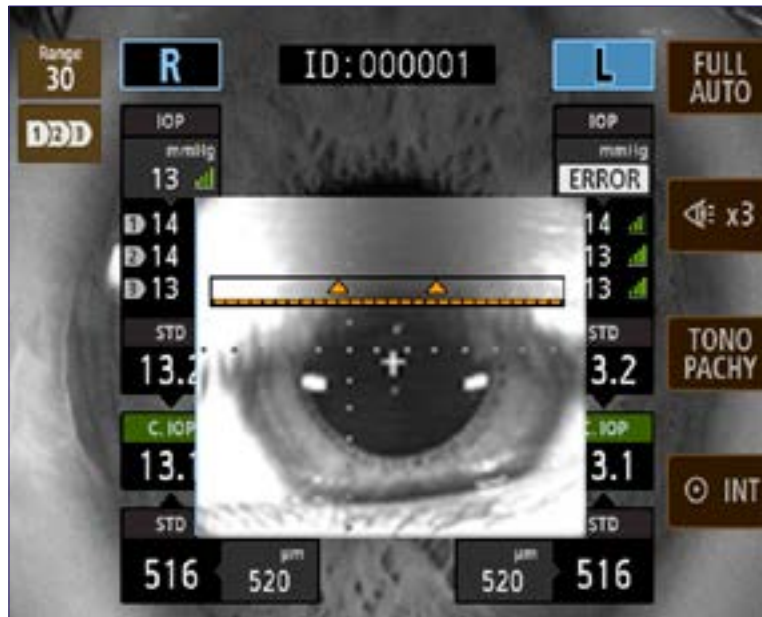

Powered joystick

For an effortless initial 3D alignment or manual control of the device when required. All functional controls; motorized up and down and left and right movement are centralized in the joystick.

Warning screen

In case of error during IOP measurement, an image of the eye during the actual measurement will be displayed, including an eye lid warning line. This is useful to find the root cause of the problem.

Features

Motorized Chin Rest

The up and down movement of the chin rest is motorized for your convenience.

Auto Print

Simply sends the measurement results to the fast internal printer, or through the network to your IT environment.

Check function

Pressing Check button will demonstrate the air puff to the patient, to be informed about the procedure.

R/L function

With just one button, the position of the optical head will be moved quickly from one eye to the other eye if required.

Limiter function

A safety feature to prevent the lens from touching the patient's eye.

Pachymeter

TX-20P uses light to take a cross-sectional image of the cornea to determine the Central Corneal Thickness (CCT).

TX-20P
Tonometer and pachymeter in a single instrument

Measures the intraocular pressure (IOP) and central corneal thickness (CCT) and automatically calculates the compensated IOP.

Although Goldmann Applanation Tonometer (GAT) is currently the the gold standard for IOP measurement, its results are severely affected by central corneal thickness (CCT), which 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 the built-in pachymeter, the TX-20P is much more than just a tonometer. It reduces the risk of misreading intraocular pressure and is set to make a significant contribution to detecting potential glaucoma in patients.

Parameter settings for the compensated IOP can easily be adjusted to your preference.

Extended connectivity

USB host for inputting patient info by keyboard/barcode reader. LAN and RS-232C for connection to network. The LAN connection allows for a very extensive XML file output.

The TX-20/P also has various ways to output the measurement results over the network to your existing EMR System or practice management software.

Measurement results can (even automatically) be printed out, with the built-in fast thermal printer.

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Specifications TX-20 / TX-20P

Dimensions	260 W x 490 L x 500 H
Weight	15 kg
Display	Tilting 5,7 inch LCD screen
Printer	Thermal Line Printer with auto cutter
Chinrest	Motorised
Interface	USB host / RS232C / LAN
Power	AC 100 to 240 V, 50/60 Hz, 0,8 A to 0,4 A
Power saving mode	YES
Optional accessoiries	Chin rest paper, printing paper
Fixation light	Internal or external
Input ID Options	Automatic serial number assignment or patient ID input via screen, numeric keyboard, barcode reader (optional)
Alignment	Fully automatic 3D alignment
Meassurement mode	Fully automatic / automatic / manual
Intra ocular pressure meassurements	
Meassurement principle	Air puff non-cantact method
Meassurement range	0 - 60 mmHg, Auto switching 30/60 mmHg range
Meassurement units	mmHg/hPa
Working distance	11 mm
Pachymeter Meassurements (TX-20P only)	
Meassurements principle	Quantized slit image on central cornea
Meassurement range	150-1300 microns
Light Source	Blue LED

Canon

Made For life