A better point of view

TX-20
FULL AUTO TONOMETER
TX-20P
FULL AUTO TONOMETER
& PACHYMETER

We Speak Image

you can

Canon

Camera Canon EOS 100D / f6.3 / 1/8 / ISO 100

Compact and sleek instrument

Fits easily on any instrument table and allows for maximum patient interaction

TX-20
Full Auto Tonometer

TX-20P
Full Auto Tonometer & Pachymeter

TX-20 and TX-20P

2 instruments, sharing the same advanced features

Accurate, automatic and fast measurement at the push of a button

Due to its intelligent full 3D alignment functionality, the TX-20/P can start a complete examination with only a basic alignment on one eye. With a simple push of the button, the TX-20/P conducts automatic examination of both eyes from alignment to printing.

The advanced intelligent 3D fully automated operation makes operating the instrument extremely simple; just press the button. The TX-20/P will align and measure extremely fast, even the print-out and paper cut off are done automatically, reducing examination time.

The instrument's soft air puff and short examination time of the TX-20/P contribute to enhanced patient comfort.

The TX-20P model additionally has a built- in pachymeter, for measuring the central corneal thickness (CCT).

Excellent ergonomics

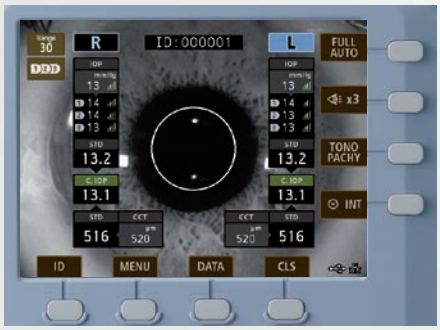
The tilting 5.7” colour LCD screen makes it possible to operate the TX-20/P while standing or sitting

Multifunctional joystick

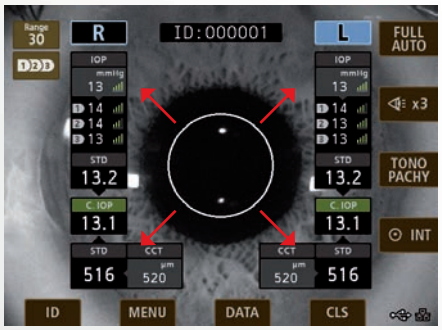
Powered for extremely comfortable operation, all main functions are centralized in the joystick, allowing for the instrument to be operated by one hand.

Fast built-in printer

Printer with easy drop-in paper loading and auto cutter. Comprehensive print-out with all relevant data



Multifunctional switches
placed around the screen with a simple and logical function indication.



Limiter function
A safety feature that prevents that the optical head makes physical contact with the patient's eye.

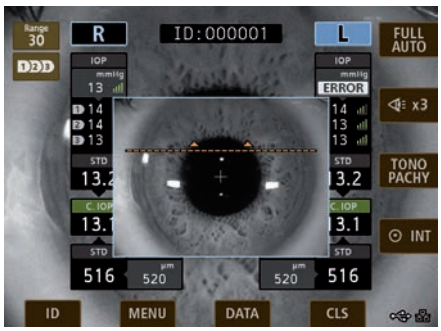
Extended connectivity
USB host for inputting patient info by keyboard/barcode reader. LAN and RS-232C for connection to network. XML file output via LAN.

External Fixation

Besides the internal fixation light , the instrument is equipped with 2 external fixation lights. Effective for patients with a central vision defect.

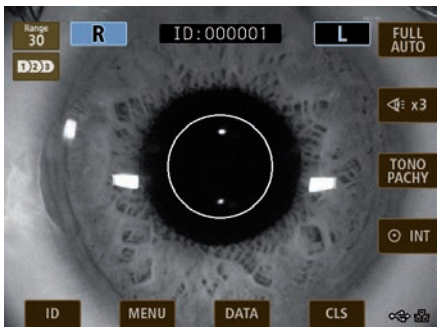
Upper and lower IOP warnings

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



Warning images

When there is a measurement error, a snapshot of the examinee's eye is displayed to indicate the possible cause of the error: obstruction by an eyelid or eyelashes. The TX-20P additionally has a Pachymeter measurement error screen.



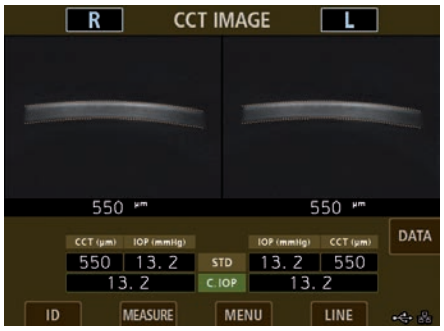
Large magnification of the pupil for easy observation

Settings of the device can be adjusted to your preference

All measurement results are clearly displayed in one screen

Pachymeter

Central corneal thickness measurement based on cross-sectional image of the slit image of the cornea.



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.

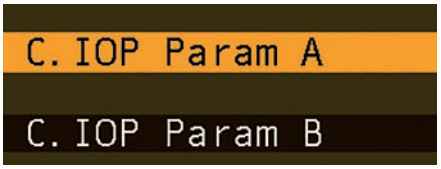
Information about the actual corneal thickness is important because without it can mask accurate readings of IOP and delay diagnosis of glaucoma. Unless taken into account, thicker corneas contribute to overestimation of IOP values and thinner corneas to underestimation.

With 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.

Compensated IOP
Automatic calculation of C.IOP based on the CCT value

Example	IOP (mmHg)	CCT (mm)
STD	12.9	531
C. IOP	13.9	

Parameter setting for Compensated IOP
Use default settings or adjust the compensated IOP to your preference



Specifications TX-20 / TX-20P

Dimensions	260 W x 490 L x 500 H mm
Weight	15 kg
Display	Tilting 5,7 inch LCD screen
Printer	Thermal Line Printer with auto cutter
Chinrest	Motorized
Interface	USB host/ RS232C / LAN
Power	AC 100 V to 240 V, 50/60 Hz, 0.8 A to 0.4 A
Power Saving mode	YES
Optional accessories	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
Measurement mode	Fully automatic / automatic / manual

Intra ocular pressure measurements

Measurement principle	Air puff non-contact method
Measurement range	0 ~ 60 mmHg Auto switching 30/60 mmHg range
Measurement units	mmHg/hPa
Working Distance	11 mm

Pachymeter Measurements (TX-20P only)

Measurement principle	Quantized slit image on central cornea
Measurement range	15 ~ 1300 microns
Light source	Blue LED

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Canon Eco

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CR-2 Plus AF

Mydriatic

CF-1

NM / Myd

CX-1

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Measurement Equipment

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RK-F2

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TX-20

Tono/Pachymeter

TX-20P

Optopol* Eye Care product line up

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PTS-910 B/Y

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