

**Canon**



**TX-20  
TX-20P**

Full Auto Tonometer  
& Pachymeter

- 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

**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.

TX-20 AND TX-20P

2 instruments, sharing the same advanced features

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.



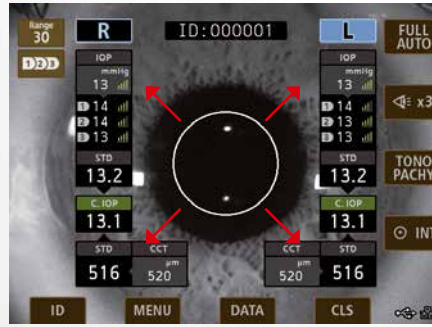
## FAST BUILT-IN PRINTER

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.



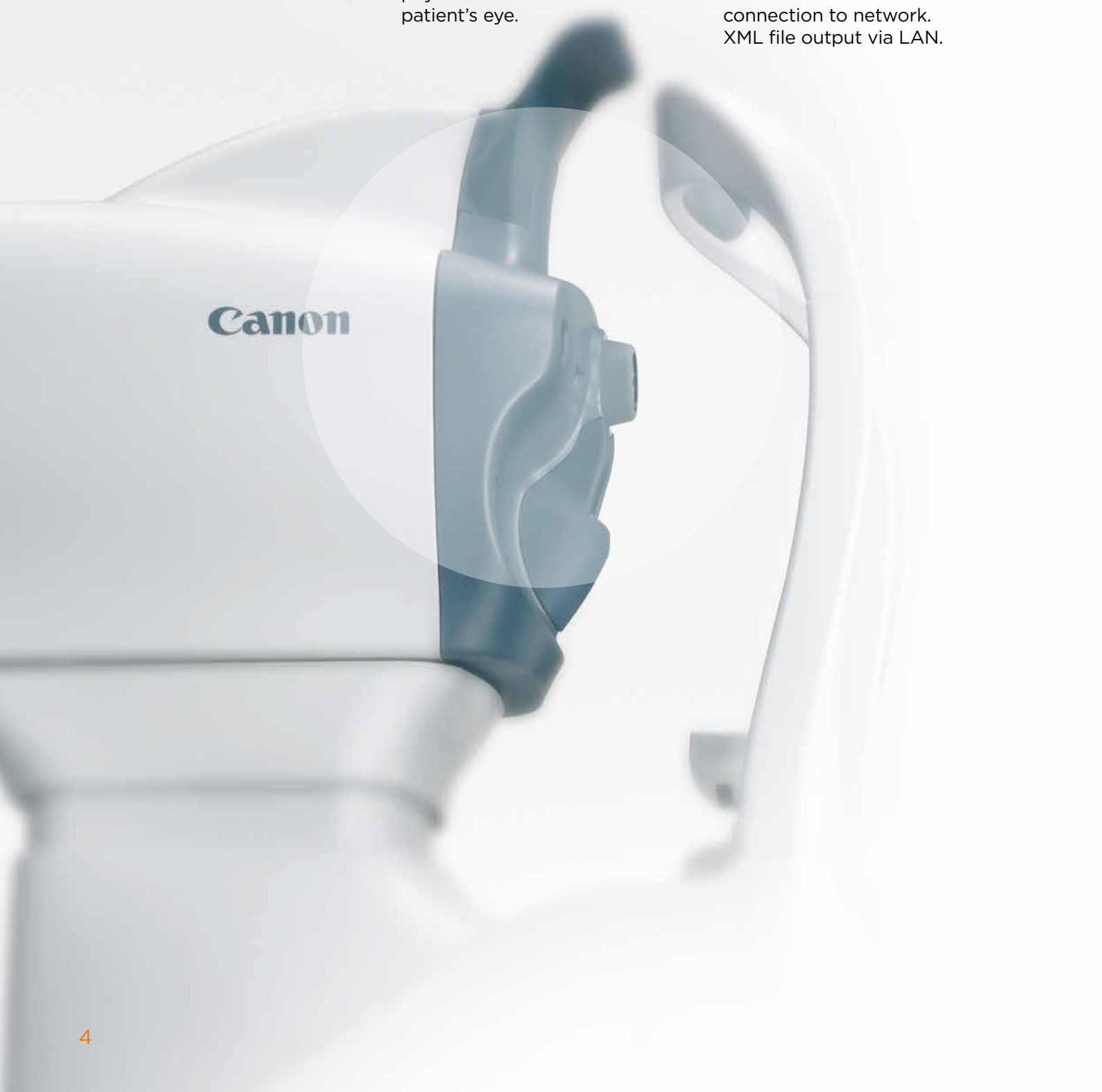
**Limiter function**

A safety feature that prevents 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.





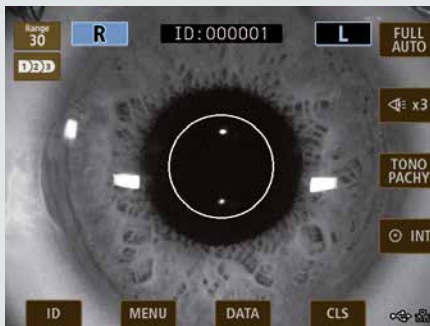
Upper IOP Warning  
Lower IOP Warning

### 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

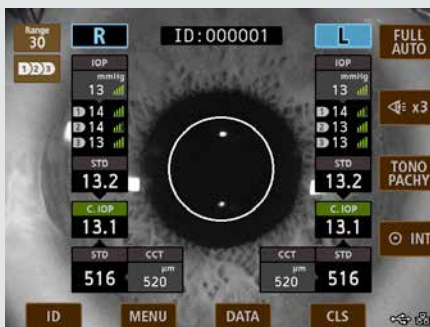
To assist during screening; threshold values can be changed to your requirements.



### 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.



# TX-20P

Two in one, tonometer and pachymeter in a single instrument.

## PACHYMETER

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



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.



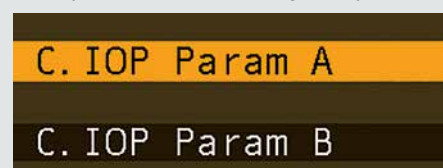
### Compensated IOP

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

<b>Dimensions</b>	260 W x 490 L x 500 H mm	<b>Intra ocular pressure measurements</b>
<b>Weight</b>	15 kg	<b>Measurement principle</b> Air puff non-contact method
<b>Display</b>	Tilting 5,7 inch LCD screen	<b>Measurement range</b> 0 ~ 60 mmHg Auto switching 30/60 mmHg range
<b>Printer</b>	Thermal Line Printer with auto cutter	<b>Measurement units</b> mmHg/hPa
<b>Chinrest</b>	Motorized	<b>Working Distance</b> 11 mm
<b>Interface</b>	USB host/ RS232C / LAN	<b>Pachymeter Measurements (TX-20P only)</b>
<b>Power</b>	AC 100 V to 240 V, 50/60 Hz, 0.8 A to 0.4 A	<b>Measurement principle</b> Quantized slit image on central cornea
<b>Power Saving mode</b>	YES	<b>Measurement range</b> 15 ~ 1300 microns
<b>Optional accessories</b>	Chin rest paper, printing paper	<b>Light source</b> Blue LED
<b>Fixation light</b>	Internal or external	
<b>Input ID Options</b>	Automatic serial number assignment or patient ID input via screen, numeric keyboard, barcode reader (optional)	
<b>Alignment</b>	Fully automatic 3D alignment	
<b>Measurement mode</b>	Fully automatic / automatic / manual	

Your Canon dealer:

# Canon

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Model number: TX-20 / TX-20P  
MCAEC0005EUC 2019-08 CMSE/Printed in Europe

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