

Computerized Tonometer

CT-800A



PERFORMANCE
YOU CAN COUNT ON



Workflow efficiency with the 3D auto alignment

More efficient operation and workflow

Topcon has significant experience in designing and producing high quality tonometer and kerato refractometer. For a greater customer experience, we are proud to introduce our new CT-800A with 3D auto alignment function. CT-800A offers enhanced efficiency and easier operation to improve day to day examination of work flow in a practice.

CT-800A

Computerized tonometer

- | 3D Auto alignment function allows quicker and easier measurement
- | Smooth operation
- | 8.5 inch wide touchscreen control panel
- | Soft air puff
- | Higher measurement success rate for eyes with IOL, in the IOL measurement mode
- | Compensated IOP values with central corneal thickness values*
- | Compact designed body
- | Easy set-up with a LAN network





Adjusted tono value*

The CT-800A is able to calculate adjusted tono value from a measured IOP to manually inputting corneal thickness value measured by other devices, such as a pachymeter.

Soft air puff

Software controls the optimal amount of air required for every measurement on each individual eye. A soft air puff means less stress on the eye, resulting in an improved patient experience

Wide 8.5 inch touchscreen control panel

The new CT-800A is equipped with a wide 8.5 inch color touchscreen panel featuring clear, easy to read icons allowing the operator full control of the unit during the measuring process.



Easy adjustment of touchscreen controlled chinrest

Up/down adjustment of chin-rest is easily operated with the icons on the touchscreen's control panel.

IOL mode

The IOL mode supports improved success rate to measure eyes with an intraocular lens.

Alignment mode

“A” (Semi auto mode)

Once pupil is roughly aligned, fine focus and measurement are performed automatically.

“AS” (Auto shoot mode)

Once the manual alignment is complete the measurement is taken automatically.

“M” (Manual mode)

All processes are performed manually.

* Adjusted tono value is reference value

CT-800A

Efficient workflow



One touch lock

The one touch lock supports a quick switch to lock the body. For a more safer examination, this stopper enables the operator to set the safety stopper which helps avoid the risk for the device to hit a patient's eye.

Easy load printer

The CT-800A is equipped with a built-in thermal printer that can be easily loaded with paper roll.

Print data sample

	2014_02_14		AM 10:37	
	TONO. DATA			
	<R>		<L>	
1	mmHg	ADJ.	mmHg	ADJ.
	17	17	17	17
	16	16	16	16
	17	17	17	17
	AVG.			
3	16.7	16.7	16.7	16.7
4	PACH. DATA			
	<R>	mm	<L>	mm
		0.535		0.532
				TOPCON

- 1 IOP values
- 2 Compensated IOP values with central corneal thickness
- 3 Average value of IOP
- 4 Central corneal thickness value which the operator entered for compensation



Quicker measurement with 3D auto alignment function

3D auto alignment function maintains proper alignment with the patient

3D auto alignment feature maintains XYZ alignment even during small eye movements, providing consistent and repeatable measurements.* An operator follows the alignment guidance on the monitor for initial alignment,

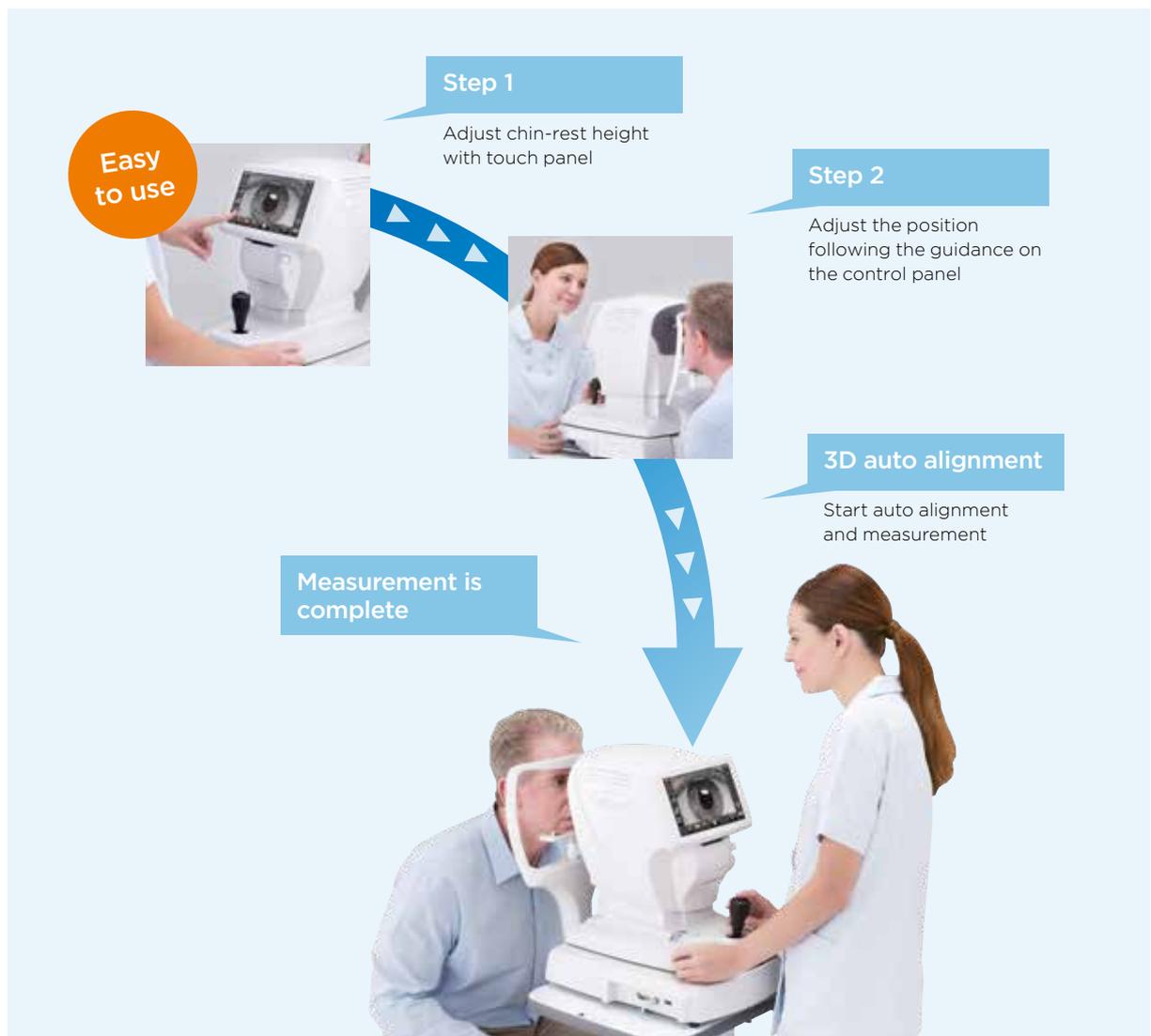
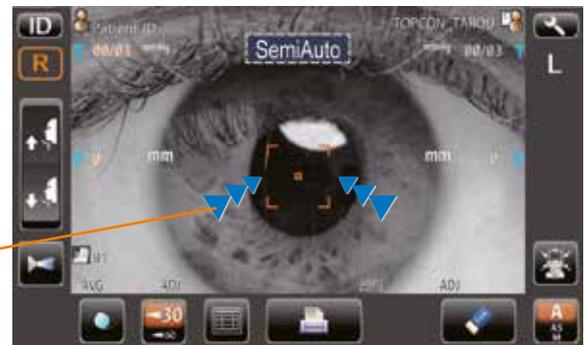
and then alignment and measurement will start automatically. 3D auto alignment function supports easy operation.

* Manual alignment may be required for patients with poor fixation.

Easy to follow guidance

Follow the initial alignment guidance to position the instrument, then the auto alignment and the measurement feature will take over.

Alignment marks

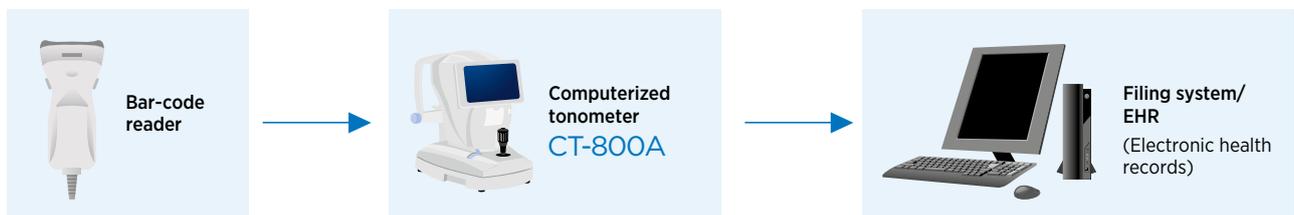


Specifications

CT-800A

Ocular pressure measurement	1 to 60 mmHg (1 mm Hg step)
Measuring range	Average indication 1mmHg / 0.1mmHg steps changeable
Measuring mode	1-30 mmHg / 1-60 mmHg
Monitor	8.5" WVGA color LCD monitor, touch panel
Data transport terminal	USB (Import), RS232C (Export), LAN (Export)
Dimensions	317 ~ 341mm(W) x 521 ~ 538mm(D) x 437 ~ 467mm(H)
Weight	17 kg
Power supply	100-240V AC, 50-60Hz, 30-60VA

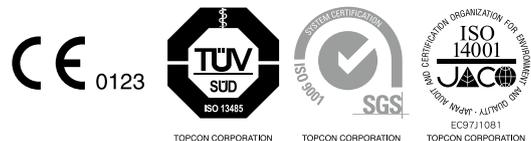
System chart



* Contact Topcon subsidiaries or dealers for system configurations.

- * 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/or specifications without advanced notice.

IMPORTANT In order to obtain the best results with this instrument, please be sure to review all user instructions prior to operation.
Medical device Class IIa. Manufacturer: Topcon Corporation.



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