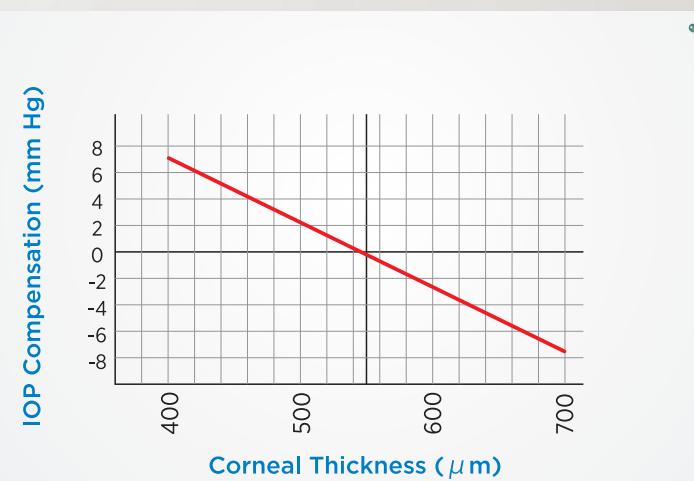


CT-1 / CT-1P

Computerized Tonometer

Corneal Thickness Measurements (CT-1P only)

The CT-1P provides compensated IOP values with central corneal thickness (CCT). Studies show that the CCT could affect IOP measurements, for example IOP values measured using a conventional tonometer are higher in eyes with a thicker cornea, and the diagnosis of normal tension glaucoma can also be affected by thin CCT.



* The formula of this compensation can be individually adjusted.
Reference: Herndon L. "Rethinking pachymetry and intraocular pressure.", Rev Ophthalmol. 2002;July:88-90.

Layout Ex. 2-1
When the KR-1 and CT-1 are positioned face to face...

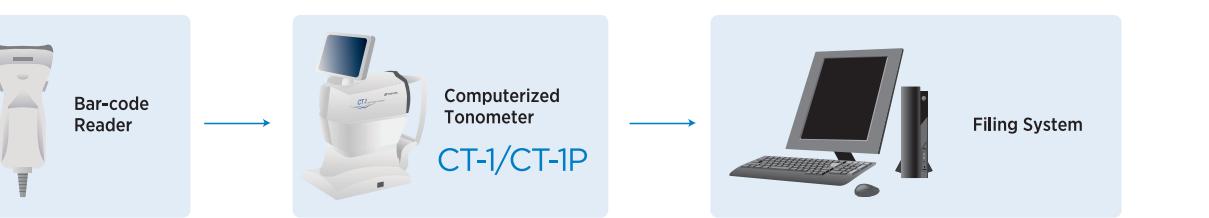


Specifications

Ocular Pressure Measurement	1 to 30 mmHg / 1 to 60 mmHg (1 mmHg step)
Measuring Range	Average Indication: 1mmHg/0.1mmHg steps changeable
Corneal Thickness Measurement	0.4 to 0.75 mm (0.001 mm step)
Measuring Range *	
Monitor	8.5" WVGA color LCD monitor, touch panel
Data Transport Terminal	USB (Import), RS232C (Export), LAN (Export)
Dimensions	286 ~ 326 (W) x 445 ~ 526 (D) x 466 ~ 615 (H) mm
Weight	19.5 kg
Power Supply	100-240V AC, 50-60Hz, 75VA

* CT-1P only

System Chart



* 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.



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YOUR VISION. OUR FOCUS.

The Next Generation of Tonometry

Topcon, with its wealth of experience in designing and manufacturing high-performance non-contact tonometers since 1987, is proud to introduce the CT-1/1P* non-contact tonometer. The CT-1/1P is more stylish and more compact than ever before. The flexible control panel enables the CT-1/1P to be installed in many different positions in the examination room. The CT-1/1P provides an innovative operation experience and eliminates the need for a control lever. By combining it with the Topcon Kerato-Refractometer KR-1, built with the same concept, you will save space in your examination room. The air-puff mechanism ensures a soft air-puff and requires less maintenance and cleaning. The CT-1/1P is an innovative and high quality non-contact tonometer.

Features

» Simple and Quick Operation

- R/L fully automated measurement
- Easy-to-Use Touch Screen Control Panel eliminates the need for control lever
- Additional Measurement Mode

» Flexible and Space Saving Layout

- The adjustable control panel can be positioned in any direction
- Compact Body

» Reliable Measurements

- New ergonomic optical head and headrest design
- Stable IOP measurement with soft Air-Puff
- Corneal thickness measurement for IOP compensation (CT-1P only)

Functionality & Aesthetics Combined
in the **NEW CT-1/CT-1P**



Bring Innovation to the Examination: CT-1/CT-1P

The CT-1/1P takes automated operation to a new level. Simply touch the center of the pupil on the touch screen control panel and the CT-1/1P automatically obtains right and left eye information immediately. The CT-1/1P provides an innovative operation experience and eliminates the need for a control lever.

Simple and Quick Operation

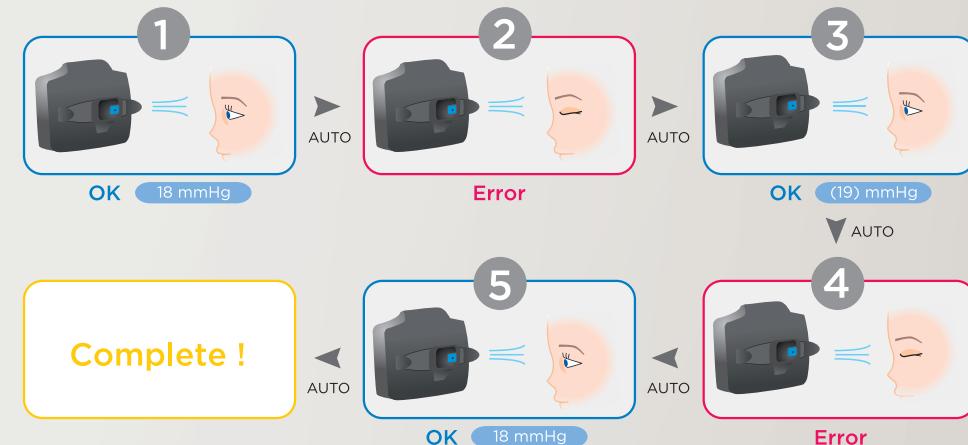
R / L fully automated measurement



Additional Measurement Mode

The additional measurement mode will save time and prevent extra work & inconvenience. The CT-1/1P will continue to measure until the required preset IOP measurement count is obtained.

Ex.) In this case, the preset count is 3 times.



Manual Mode

If required, the CT-1/1P can be set in a manual mode as well. Once the CT detects the pupil position, the movement will retain automated alignment and you simply press the Start button to begin the measurement.

Easy-to-Use Color Touch screen Control Panel

All operating procedures can be performed with the touch screen control panel. The sophisticated buttons provide an intuitive operator experience. The CT-1/1P automatically takes measurement of the right and left eyes quickly and easily.





Built in Printer

The CT-1/1P is equipped with a built-in thermal printer that can be easily loaded with a roll of paper. The CT-1/1P cuts the paper automatically at the end of printing.

(Ex.)

-CT 010017-

OID: JOHN SMITH 1

NAME

2012_01_01 NO:Patient ID AM 11:00
SN:0000001 01

2 TONO. DATA

< R >	mmHg	ADJ.	< L >	mmHg	ADJ.
12	12	12	12	12	12
13	13	10	10	10	10
13	13	11	11	11	11

AVG 12.5 12.5 11.0 11.0

4

< R > hPa ADJ. < L > hPa ADJ.

16	16	16	16
17	17	13	13
17	17	14	14

5

AVG 16.5 16.5 14.3 14.3

3 PACH.DATA

< R > mm	< L > mm
0.511	0.510
0.510	0.509
0.510	0.508

6

AVG 0.510 0.509

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TOPCON Clinic

1 Operator ID
2 Measured value of intraocular pressure
3 Measured value of central corneal thickness
4 Measured value displayed in "mmHg" units
5 Measured value displayed in "hPa" units
6 Message column