

Specifications

	CT-80A	CT-80
Measurement Range	0-60 mm Hg [0-30 mm Hg / 0-60 mm Hg (selezionabile)]	
Working Distance	11 mm	
Measurement Display	Tv monitor screen *R/L change-over ... automatically detected and displayed *Up to three measurements of each eye can be displayed and printed out	
Measurement Recording	Built-in printer	
Measurement Mode	Auto start with 3D auto alignment or Manual (selectable)	Auto start or manual (selectable)
Error Indication	When the measurement signal is not strong enough IOP value is indicated in () or just 'ERR' is displayed	
Adjustable Safety Stopper	Minimum distance between the front of the instrument and the patient can be established in advance	
Operation Temperature	10° to 40°C	
Base Travel	44 mm (back & forth) / 88 mm (left & right) / 28 mm (vertically)	
Chinrest Vertical Travel	68 mm	
External Output Terminal	RS - 232C	
Power Supply	AC 100-120V, 220-240V 50/60Hz	
Power Consumption	80 VA ("Auto-shut-off": power saving mechanism adopted)	
Dimensions	272(W) x 550(D) x 430-548(H) mm	
Weight	19 Kg	18 Kg

Optional Accessory



Adjustable Instrument Table AIT-16



* 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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Computerized Tonometer

CT-80A/80



CONNECTING VISIONS

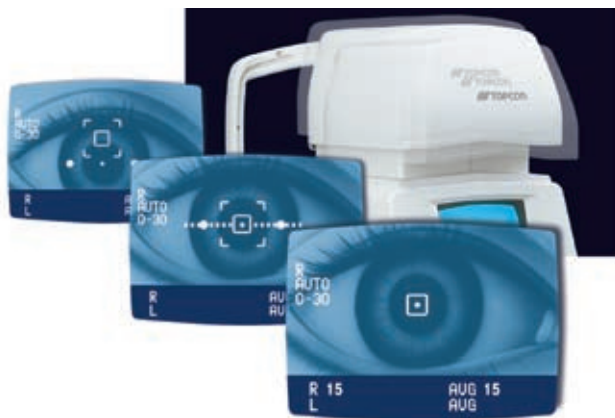
Topcon's new line-up for non-contact tonometry

CT-80A / CT-80

It's Topcon's solution for the further pursuit of operational use and speedy measurement, relieving patient's discomfort to its minimum.



Fast and easy measurements

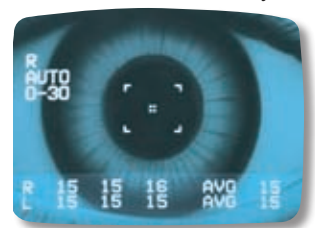


The 3D Auto alignment (CT-80A only)

The 3D Auto Alingment System offers an easy operation and speedy measurement even for patients with difficult fixation.

30% Faster interval time

The CT-80A/CT-80 provide easier and faster operation with the aid of a new alignment bar and an improved air cylinder. The interval between measurements has been reduced by over 30%, so patients may be examined more comfortably in a shorter period of time. Once the alignment has been completed, the resulting data are automatically measured and displayed.



Flex control function (CT-80A only)

With Auto-alignment on, you can pick the perfect timing for the measurement, minimizing patient's discomfort. This is very suitable for difficult patients with moving eye and frequent blinking.



Keep tracking while holding the button.

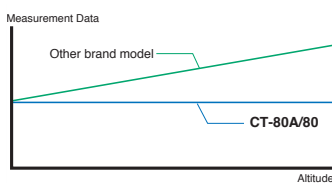
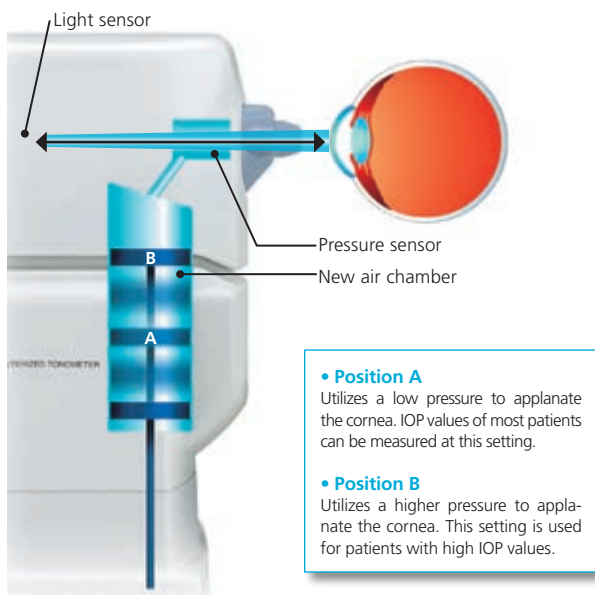
Release the button, and measurement is done.

A focus on safety



Triple safety function

The CT-80A/CT80 features an innovative triple safety function. First the operator may set an adjustable safety stopper. Second, a "too close" display on the monitor guides the user in alignment. Third, an audible warning buzzer informs the operator if the cornea and the instrument are too close.



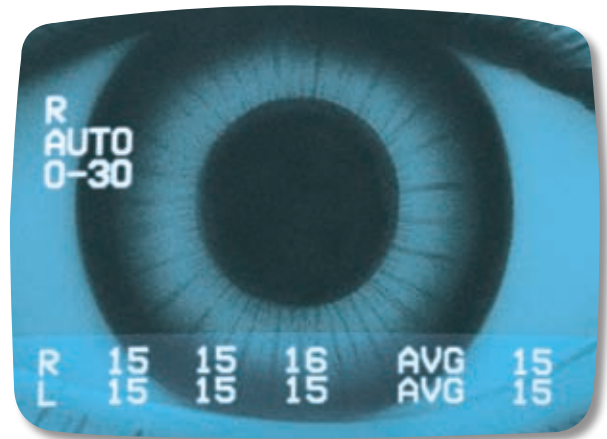
Dual sensor system

The Topcon CT-80A/CT80 incorporates an original measurement method using two sensors; one for light and one for pressure. When the air

puff applanates the cornea, a light sensor detects the applanation moment, while at the same time another sensor monitors the internal chamber to obtain the intraocular pressure. This new calculating system allows the operator to obtain highly precise and accurate measurement data without influence of atmospheric pressure, altitude or any possible mechanical degradation.

Built-in self check function

The CT-80A/CT80 lets the operator know in advance when maintenance is needed. It displays a warning message on the monitor when a lens is dirty, and also which lens it is (the measurement glass or the chamber glass).



NAME				
26/JAN/2001 PM 05:22				
	mmHg		AVG	
R	16	17	17	17
L	16	16	17	16
CT-80 TOPCON				

Speedy built-in printer

At a touch of a button, the CT-80A/CT80 provides high-speed printout of measured data in about a couple of seconds! up to three individual measurements plus an averaged value will be printed out.

Optional manual control

The CT-80A/CT80 can be operated in a fully manual mode by overriding the automatic measurement setting.

Internal fixation target

Infrared lighting provides the main illumination for the CT-80A/CT-80: eliminating the need for harsh, bright alignment lighting and increasing patient comfort.