NON-CONTACT TONOMETER

FRIENDLY TONOMETER FT-1000

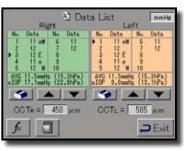
 Touch Screen Alignment System

- Cornea Thickness
 Related IOP Correction
- Auto Alignment
 + Auto Shot
- Soft and Silent Air Pulse
- High Speed
 Measurement









Auto Alignment / Auto Shot

Data List

FT means Friendly Tonometer. Friendly because of the very silent and soft air pulse. This makes the FT-1000 very convenient for the patient.

Touch screen alignment system

The 5.7 inch coloured touch screen is used as operating monitor as well as for displaying all measured values. You can even move the unit in all directions by simply touching the screen. All commands can be done via touch screen.

Cornea thickness related IOP

You can easily adjust the measured IOP data according to the central corneal thickness.

The calculation formula used by the FT-1000 is individually adjustable to your own preference.

Auto Alignment + Auto Shot

The handling of the FT-1000 is very easy – it does almost everything by itself.

Alignment and measurement are done automatically. You just roughly align the system towards the patient eye and the rest is taken care of by the instrument. With a tip on the screen the system automatically moves to the left or right eye.

Soft and silent air pulse

For the comfort of your patient the FT-1000 is designed to use a very soft air pulse. Even the noise generated by the system is reduced to the minimum. This relaxes your patient and ensures highly accurate results.

High Speed Measurement

If you choose the multi shot option the system produces up to three air pulses in an extremely short sequence (0.1 seconds each).



SPECIFICATIONS

FT-1000

FRIENDLY TONOMETER

Measurement range	0-60 mm Hg
incusai enferte runge	(0-30 mm Hg/25-60 mm Hg)
Measurement
Main unit	
Built-in printer	Thermosensitive line printer
Stroke of moving section	88 mm (X-asis); 40 mm (Y-axis) 45 mm (Z-axis)
Stroke of chin rest	70 mm
Data output type	
Display	5.7" colour LCD
Dimensions (WxDxH)	306x493x463 mm
Weight	Approx. 18 kg
Power source	
n de la companya de l	100 VAC-240 VAC
Frequency	50/60 Hz
Power consumption	85 VA +15% or less
Energy and other consu	mption
Energy of visible light	t and infrared light

FT-100(

Light source Wavelength Output		Light emitting diode 880 nm Alignment < 50 µW (Limit 1: 210 µW) Measurement < 100 µW (Limit 1: 3200 µW, t = 0.05 s)
ight-fixing lamp		
Light source		Light emitting diode (3-colour chip)
Wavelength	Red Green Blue	630 nm 520 nm 470 nm
Output	Red Green Blue	< 0.1 µW (Limit 1: 3.7 µW)
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Light for anterior eye segment

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Light source Light emitting diode Wavelength 780 nm Output < 100 μW (Limit 1: 450 μW) 1 AEL class 1 conforming to IEC 60825-1:2001

Conforming standards

IEC 60601-1:1988 IEC 60601-1-2:2001 ISO 8612:2001

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Power Motion Joystick

Energy of visible light and infrared light Light for measuring intraocular pressure