

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).



Power Motion Joystick

FT-1000 FRIENDLY TONOMETER

FT-1000



SPECIFICATIONS

Measuring intraocular pressure

Measurement range	0-60 mm Hg (0-30 mm Hg/25-60 mm Hg)
Measurement	1 mm Hg (1 hPa) increments within the measurement range

Main unit

<i>Built-in printer</i>	Thermosensitive line printer
<i>Stroke of moving section</i>	88 mm (X-axis); 40 mm (Y-axis); 45 mm (Z-axis)
<i>Stroke of chin rest</i>	70 mm
<i>Data output type</i>	RS-232C
<i>Display</i>	5.7" colour LCD
<i>Dimensions (WxDxH)</i>	306x493x463 mm
<i>Weight</i>	Approx. 18 kg

Power source

<i>Voltage</i>	100 VAC-240 VAC
<i>Frequency</i>	50/60 Hz
<i>Power consumption</i>	85 VA +15% or less

Energy and other consumption

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

<i>Light source</i>	Light emitting diode
<i>Wavelength</i>	880 nm
<i>Output</i>	Alignment < 50 µW (Limit 1: 210 µW) Measurement < 100 µW (Limit 1: 3200 µW, t = 0.05 s)

Sight-fixing lamp

<i>Light source</i>	Light emitting diode (3-colour chip)
<i>Wavelength</i>	<i>Red</i> 630 nm <i>Green</i> 520 nm <i>Blue</i> 470 nm
<i>Output</i>	<i>Red</i> < 0.1 µW (Limit 1: 3.7 µW) <i>Green</i> < 0.1 µW (Limit 1: 3.7 µW) <i>Blue</i> < 0.1 µW (Limit 1: 3.7 µW)

Light for anterior eye segment

<i>Light source</i>	Light emitting diode
<i>Wavelength</i>	780 nm
<i>Output</i>	< 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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