

# NON CONTACT TONOMETER

## TOMEY TONOMETER FT-1000

- Touch screen alignment system
- Cornea thickness related IOP correction
- Auto alignment + auto shot
- Soft and silent air pulse
- High speed measurement





# QUALITY IN DETAIL

*FT stands for 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 head 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).

Auto Alignment  
Auto Shot



Data List

Right				Left			
No	Data	No	Data	No	Data	No	Data
1	11 eM	6	11	1	11 eM	6	11
2	12	7	12	2	12	7	12
3	12 E	8		3	12 E	8	
4	11 e	9		4	11 e	9	
5	12 M	10		5	12 M	10	
AVG 11.5mmHg (15.3hPa)				AVG 11.5mmHg (15.3hPa)			
a.IOP 17.1mmHg (22.8hPa)				a.IOP 9.8mmHg (13.1hPa)			
CCT <sub>R</sub> = 450 μm				CCT <sub>L</sub> = 585 μm			
f <sub>ix</sub>				Exit			

## 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

### Energy and other Consumption

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

### Sight-fixing Lamp

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

### Light for Anterior Eye Segment

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

Standards applied . . . MDD ANNEX II, ISO 13485

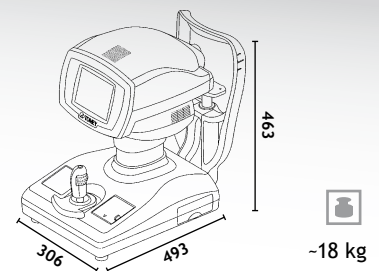
### Main unit

Built-in Printer . . . . . Thermosensitive line printer  
Stroke of Moving  
Section . . . . . 88 mm (X-axis)  
40 mm (Y-axis)  
45 mm (Z-axis)  
Stroke of Chin Rest . . . 70 mm  
Data Output Type . . . RS-232C  
Display . . . . . 5.7" colour LCD

### Dimensions & Electric Requirements

Dimensions WDH . . . . 306 x 493 x 463 mm  
Weight . . . . . Approx. 18.0 kg  
Power Supply . . . . . AC 100 V to 240 V  
Frequency . . . . . 50/60 Hz  
Power Consumption . . . Less than 85 VA

### DIMENSIONS



TOMEY EUROPE  
TOMEY GmbH  
Am Weichselgarten 19a  
91058 Erlangen  
Germany

TOMEY ASIA-PACIFIC  
TOMEY CORPORATION JAPAN  
2-11-33 Noritakeshinmachi  
Nishi-ku, Nagoya 451-0051  
Japan

Phone (+49) - 9131 - 77710  
Fax (+49) - 9131 - 777120  
eMail: info@tomey.de

Phone (+81) - 52 - 581- 5327  
Fax (+81) - 52 - 561- 4735  
eMail: intl@tomey.co.jp