

**Frey**

**CE**  
**1434**



MANUFACTURED  
IN EUROPEAN UNION



# Non-contact Tonometer

[freymedical.eu](http://freymedical.eu)

## Frey Non-contact Tonometer

Frey Non-contact Tonometer TN-100 is a modern diagnostic device, featuring fast accurate examinations, ensuring optimal levels of patient comfort undergoing non-invasive measurement of intraocular pressure. TN-100 measurement is fully automated, saving time for user and patient.

### Auto alignment and auto shot

TN-100 is easy and intuitive to use, including inexperienced users. Alignment and measurement are automated, with simple hand adjustment of the joystick towards the patient's eye to commence automatic examination.

### Cornea thickness corrected IOP

Users can easily adjust the measured IOP data by the value of the central corneal thickness. TN-100 has pre-programmed formulas for IOP correction. If central corneal thickness is entered before examination, the device will display corrected IOP values.

### SD card

SD card can be used to backup patient results and to transfer the data to PC computer. Installation version of PC application for patient records management is delivered on SD card supplied with TN-100.

### Embedded patient database

Patient data storage capability and measurement values for 4000 patient data base included. Patient examination record and database is available immediately upon completion of examination. Individual patient examination or entire patient history can be printed with simple one touch. Internal printer simplifies record keeping.

### Touch screen interface

Easy to use, intuitive operation of TN-100 features a 7" color LCD capacitive touch screen. User interface software is optimized for each function, clearly displaying all measurement data guiding the User through the measurement process from the alignment of the eye, to the display of the readings. TN-100 menus and device options are easily accessed and simple to navigate.

| Device type                    | TN-100 Non-contact tonometer                                                        |                    |
|--------------------------------|-------------------------------------------------------------------------------------|--------------------|
| Measurement range              | 0 - 60 mmHg (0 - 80hPa)                                                             |                    |
| Measurement resolution         | 0.5 mmHg                                                                            |                    |
| Main unit                      | Dimensions H/W/L                                                                    | 460 x 300 x 480 mm |
|                                | Weight                                                                              | 18 kg              |
| Power source                   | 100-240VAC 50/60 Hz                                                                 |                    |
| Power consumption              | Max 45VA                                                                            |                    |
| Power supply unit              | External, medical power supply adapter<br>INPUT: 100-240V ~1,5A<br>OUTPUT: 12V =5A  |                    |
| Printer                        | Built-in, thermal                                                                   |                    |
| Display                        | 7" color LCD with touch screen                                                      |                    |
| Chin rest travel distance      | 69 mm (up/down)                                                                     |                    |
| Measuring unit travel distance | 85 mm (X axis); 40 mm (Y axis); 50 mm (Z axis )                                     |                    |
| Chin rest                      | Electrically regulated (up/down)                                                    |                    |
| Storage devices                | Internal flash<br>SD Card                                                           |                    |
| Database capacity              | Up to 4000 patients x 100 exams x 3 measurements (for each eye)<br>Data format: XML |                    |