TN-100

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 ans 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 thickniss. TN-100 has preprogrammed formulas for IOP correction. If central corneal thickness is entered before examination, the device will display coreected 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 mangament is delivered on SD card supplied with TN-100

Embedded patient database
Patient data storage capability and measurements values for 4000 patient data base included. Patient examiniation record and database is available immediately upon completion of examination. Individual patient examination or entire patient history can 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 capative touch screen. User interface software is optimized for each function, clearly displaying all measurement dta guiding yje User through the measurement process from the alignment of the eye, to the display of the reaings. TN-100 menus and device options are easily accessed and simple to navigate.

TECHNICAL SPECIFICATIONS

HARDWARE SPECIFICATION

Field of view	45°
Field of view with mosaic function	90°
Retinal resolution	14 microns
Fixations	7 fixations set-ups
Tablet dimensions	10.4"
Weight	32,4 lbs
Size	13,4 x 16,9 x 18,1 in.

SOFTWARE SPECIFICATION

Image filters (vascular, choroidal, nerve fibre, red free)

Cup-to-disc ratio for glaucoma screening

Automatic mosaic function

Shared intranet folder

DICOM standard compatible

Fundus adapter to transfer images to a local pc

DATA MANAGEMENT

Full AI integration (option)

Cloud-based secure storage

Client-side data encryption

Automatic database backup

Review images from the password protected website,

a network shared folder or a local PC

Multilevel account

Access by personal user