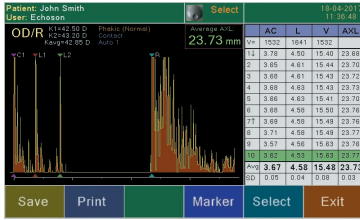


SINCE  
1993

ECHOSON  
ULTRASOUND SCANNERS



BIOMETRIC SCANNERS **PIROP**



# A-SCAN

## OCULAR BIOMETRY

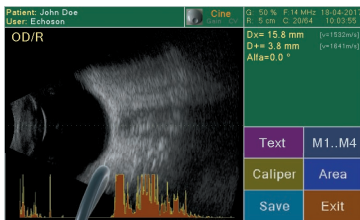
### /IMPLANTS, CATARACT SURGERY/

#### SPECIFICATIONS:

- Probe frequency: 12 MHz - OA-12
- Range of scan: 45 mm
- Clinical resolution: 0.1 mm
- Electronic resolution:  $\pm 0.01$  mm

#### FEATURES:

- Complete and quick biometry: AXL, AC, LENS, VITR
- Measurement of all eye types: normal, cataract, dense cataract, aphakic, pseudoaphakic /PMMA, ACRYLATE, SILICONE/, silicone oil vitreous
- IOL six formulas: SRK II, SRK T, Holladay, Hoffer-Q, Binkhorst II, Haggis
- Post refractive formulas: Double-K SRKT, Latkany /Flat-K SRKT/, Latkany /avg-K SRKT/, Masket
- IOL comparisons
- Contact and immersion methods



# B-SCAN

## INTERIOR VISUALISATION

### /RETINA, NERVE, EYEBALL/

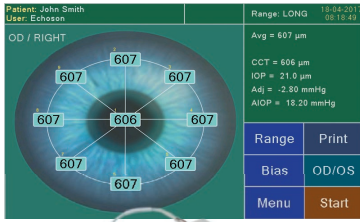
#### SPECIFICATIONS:

- Probe frequency: 12/15 MHz - OB-12
- Scanning angle: 55°
- Range of scan: 20-60 mm
- Axial clinical resolution: 0.12 mm
- Lateral clinical resolution: 0.3 mm

#### FEATURES:

- Display modes: B, B+A, B+B
- A-mode for selected line
- 256 Levels Gray Scale
- Digital multimode image processing
- Measurements and calculation (distances, area, length, angle)
- Cine memory - 2x6 sec.
- ZOOM function





# CCT - PACHYMETER

/CORNEA Thickness, IOP , GLAUCOMA/

## SPECIFICATIONS:

- Probe frequency: 20 MHz - OP-20
- 400 MHz sampling rate
- 1640 m/s default speed (adjustment range from 1400 to 2000 m/s)
- Range from 220  $\mu$ m to 1100  $\mu$ m
- Accuracy:  $\pm \leq 2 \mu$ m
- Resolution: 1  $\mu$ m

## FEATURES:

- Quick measurements of thickness for all corneal types
  - measurement of thickness at arbitrarily selected points of the corneal surface
  - automatic and manual measurements
  - calculation of the mean; standard deviation of the measured thickness
  - ability for rejecting uncorrected measurements
- Intra-ocular pressure (IOP) calculations with measuring and/or manual correction
- Seven IOP correction formulas: (Kohlhas/Shah, Doughty, Whitacre et al., Argus, Dresen, Stodmester, Ehlers, 3 customs - own)

## GENERAL PROPERTIES

- Touch Screen
  - easy, ergonomic and user-friendly operation via displayed menu
  - virtual keyboard for entering patient data, etc.
- external USB keyboard (option)
- Color LCD 7" display, 800x480 pixel
- Ten (10) user profiles
- Recording of images in external USB-Pendrive memory
- Internal thermal small printer
- Easy firmware upgrade via USB port
- USB port for external laser printer
- 6 type of printing reports





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