

SINCE
1993

ECHOSON
ULTRASOUND SCANNERS

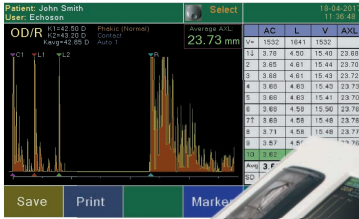


BIOMETRIC SCANNERS PIROP



A-SCAN

OCULAR BIOMETRY /IMPLANTS, CATARACT SURGERY/



SPECIFICATIONS:

- Probe frequency: 12 MHz - OA-I2
- Range of scan: 40 mm
- Clinical resolution: 0.1 mm
- Electronic resolution: ± 0.01 mm

FEATURES:

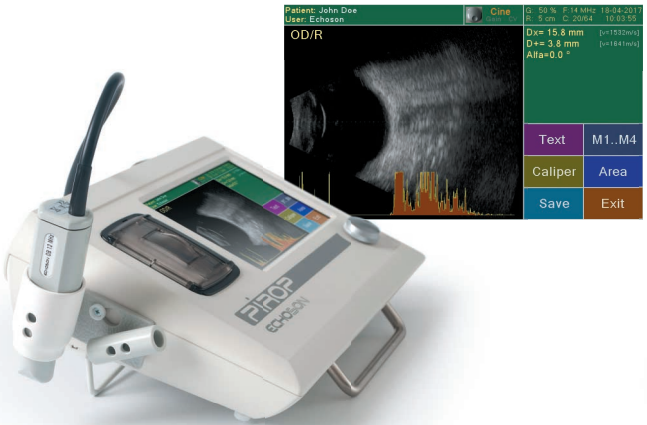
- Complete and quick biometry: AXL, AC, LENS, VITR
- Measurement of all eye types: normal, cataract, dense cataract, aphakic, pseudoaphakic /PMMA, ACRYLATE, SILICONE/, silicone oil vitreous
- IOL six formulas: SRK II, SRK T, Holladay, Hoffer-Q, Binkhorst II, Haggis
- Post refractive formulas: Double-K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



B-SCAN

INTERIOR VISUALISATION

/RETINA, NERVE, EYEBALL/



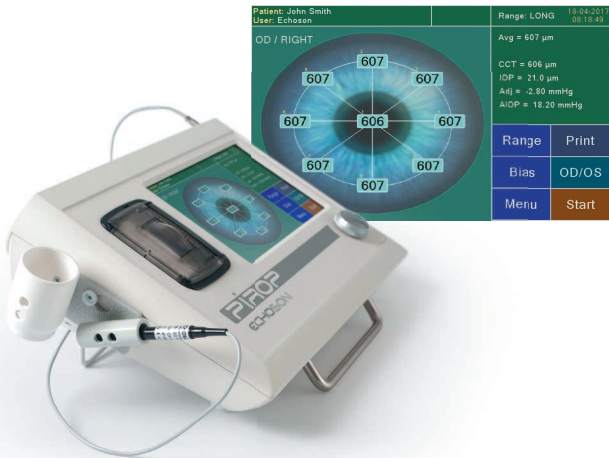
SPECIFICATIONS:

- Probe frequency: 12 MHz (15 MHz) - OB-12
- Scanning angle: 55°
- Range of scan: 20-60 mm
- 256 Levels Gray Scale
- Axial clinical resolution: 0.12 mm
- Lateral clinical resolution: 0.3 mm
- Display modes: B, B+A, B+B
- A-mode for selected line
- Digital multimode image processing
- Measurements and calculation (2 distances, area, length, angle)
- Cineloop



P-SCAN

PACHYMETER /CORNEA THICKNESS/



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 μm to 1100 μm
- Accuracy: $\pm \leq 2 \mu\text{m}$
- Resolution: 1 μm

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
- Five IOP correction formulas: (Kohlhas/Shah, Herndon/Doughty, Whitacre et al., Ehlers et al., custom - own)



ECHOSON



GENERAL PROPERTIES

- Touch Screen
 - easy, ergonomic and user-friendly operation via displayed menu
 - virtual keyboard for entering patient data, etc.
- 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



ECHOSON



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