PacScan 300 Series Digital Biometric Ruler

Over 30 years of leadership in ophthalmic ultrasound brings you the PacScan 300 series, portable, digital biometric ruler.

Sonomed Escalon Accuracy
A combination of high frequency, low noise probes and proprietary algorithms enables scan capture immediately upon applanation along the visual axis with precise measurement of corneal thickness, ACD, lens thickness, and axial length.

Sonomed Escalon Usability
Intuitive interface, customized set-up, precise algorithms, and advanced hardware designs enable quick and easy examination of different eye types.

Sonomed Escalon Reliability
Consistent and accurate results, time after time, year after year, we build unparalleled quality into every ultrasound system. Sonomed Escalon is still supporting instruments manufactured over 20 years ago.
Features:

1. General:
Models:
300A A-Scan Only
300P Pachymeter Only
300AP A-Scan/Pachymeter

PacScan 300 Series Features:
- Touch Screen User Interface
- Large High Contrast LCD
- 5 Programmable User Profiles
- Portable Design Weighing 6 lbs (3 kg)
- Scan Viewer Archiving Software
- Power Requirements:
  - PacScan System: 5W/90-250VAC
  - Optional Printer: 9W/90-250VAC

2. A-Scan:
Scan Modes:
- Direct Contact/Immersion
- 5 Examination Modes:
  - Cataract
  - Dense Cataract
  - Aphakic
  - Pseudophakic (5 settings)
  - Manual
- Review Screen for A-Scan Measurement Review Capability

Measurements:
- ACD, Lens, Vitreous, and AXL
- Individual Zone Velocities
- Average with Standard Deviations

Formulas:
- Available IOL Formulas:
  - Binkhorst
  - Regression-II
  - Theoretic/T
  - Holladay
  - Hoffer-Q
  - Haigis
- Post-Refractive IOL Formulas:
  - Latkany Myopic Regression
  - Latkany Hyperopic
  - Aramberri Double-K

Accuracy:
- Clinical Accuracy ±0.1mm
- Electrical Accuracy ±0.0484mm

A-Scan Probe Styles:
- Standard A-Scan Probe for Hand-Held, Immersion, or Slit Lamp Mounted Application
- Soft-Touch A-Scan Probe for Hand-Held Use Minimizing Corneal Compression

3. Pachymeter:
Scan Modes:
- Map 1: 1 Point/Single Scan
- Map 2: 1 Point/Multiple Scans
- Map 3: 5 Point/Single Scan
- Map 4: 5 Point/Multiple Scans
- CCT Corrected IOP

Measurements:
- Variable Corneal Velocity
- Automatic Sensing Algorithm
- Measure Review Mode
- 256 Scan Average with Standard Deviation
- Measurement Accuracy Test (±1 Micron)

Specifications:
- 125-1000 Micron Range
- Clinical Accuracy ±5 Microns
- Electronic Accuracy ±1 Micron

Pachymeter Probe Styles:
- 20 MHz Straight Pachymeter Probe for Use When Patient is in Sitting Position
- 20 MHz 45 Degree Angled Pachymeter Probe for Use When Patient is in Supine Position

01 Model 300AP A-Scan / Pachymeter
02 Model 300A A-Scan Only
03 Model 300P Pachymeter Only
04 Direct Contact A-Scan Probe
05 Soft-Touch A-Scan Probe
06 Adjustable Legs for Angled Viewing from 0 to 45 Degrees
07 20 MHz Straight Pachymeter Probe
08 20 MHz 45 Degree Angled Pachymeter Probe

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