

SONOMED
THE SOUND OF EXCELLENCE

PACSCAN300 SERIES

DIGITAL BIOMETRIC RULER

Twenty seven years of leadership in ophthalmic ultrasound brings you the state-of-the art 300 series, portable, digital biometric ruler.



300AP
A-Scan / Pachymeter

Sonomed Reliability!

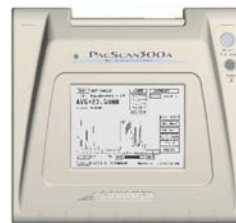
Our engineering and sales staff have over 27 years experience manufacturing quality ophthalmic ultrasound systems.

Sonomed Accuracy!

A combination of a high frequency, low noise probe and a fast precise algorithm enables scan capture immediately upon application along the visual axis.

Sonomed Dependability!

Sonomed is still supporting instruments manufactured over 20 years ago. We stand behind our products for the life of the equipment.



300A A-Scan



300P Pachymeter

SONOMED INC.

1979 Marcus Avenue • Lake Success, New York 11042 USA

Tel: 516.354.0900 • 800.227.1285 • Fax: 516.354.5902
E-mail: info@sonomedinc.com • www.sonomedinc.com

Features:
Touch-Screen for easy operation.

Easy automatic calibration functions.

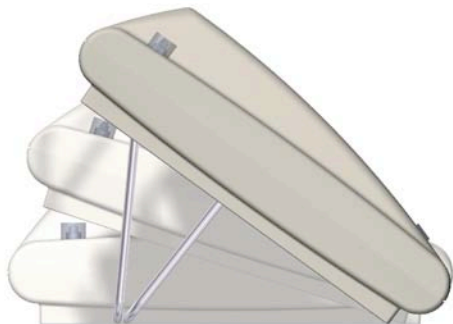
Sonomed Dependability and Accuracy.

General:

PacScan 300 Series
 Models: 300A A-scan only
 300P Pachymeter only
 300APA A-scan/Pachy.

- Touch Screen User Interface
- Large High Contrast LCD
- 5 Programmable User Profiles
- Portable Design weighing 6 lbs.
- Scan Viewer Archiving Software

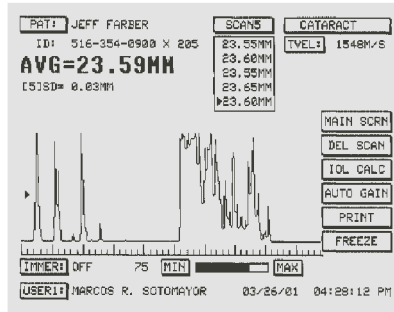
Power Requirements:
 PacScan system 5W/90-250VAC
 Optional Printer 9W/90-250VAC



Adjustable legs for angled viewing from 0 to 45 degrees.

ISO 13485
 CE 0413
 0300-1902-3B

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A-Scan Display

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:

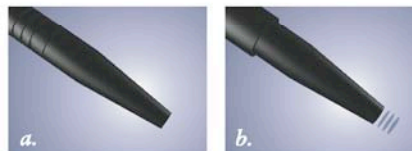
- ACD, Lens, Vitreous and AXL
- Individual Zone Velocities
- Average w/ Std. Deviation.

Formulas:

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

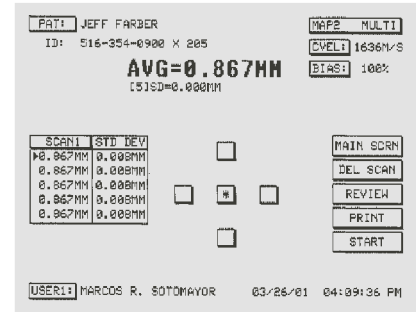
Specifications:

Clinical Accuracy ± 0.1mm
 Electrical Accuracy ± 0.0484mm



a. Direct Contact probe for hand-held, immersion or slit-lamp mounted application.

b. Soft-Touch probe for hand-held use minimizing corneal compression.



Pachymeter Display.

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:

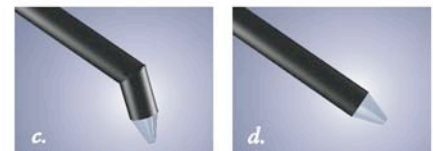
- Variable Corneal Velocity
- Automatic Sensing Algorithm
- Measure Review Mode
- 256 scan Average with Standard Deviation
- Measurement Accuracy Test (± 1μ)

Specifications:

125 – 1000 Micron Range
 Clinical Accuracy ± 5 Microns
 Electronic Accuracy ± 1 Micron

Probes:

20MHz Straight contact
 20MHz 45° angled contact



c. 45° angled probe for use when patient is supine position.

d. Straight pachymeter probe for use when patient is in sitting position.



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