

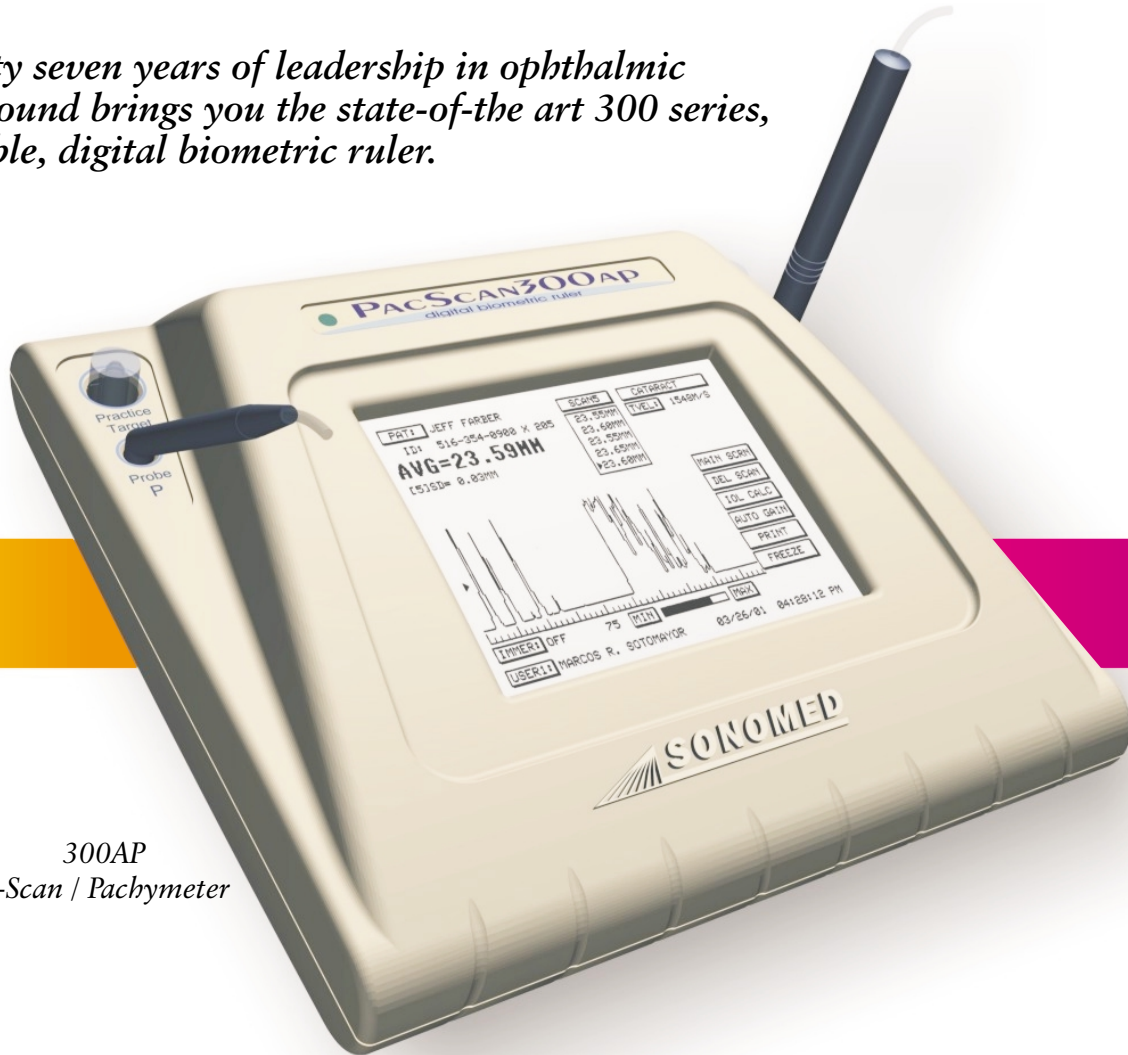
SONOMED

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.

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

Touch Screen for easy operation

Built-in calibration cylinder for A-scan

Internal pachymeter calibration and probe sensitivity test.

General

Touch screen operation

Large high-resolution backlit LCD

Ability to store up to 5 different user profiles

Complete measurement and calculation record within seconds

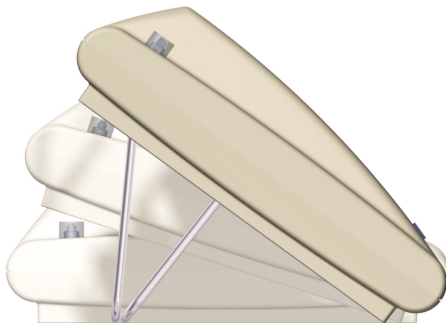
Portable compact design weighing less than 6 pounds

Fully adjustable tilt between 0 - 60° for ergonomic comfort

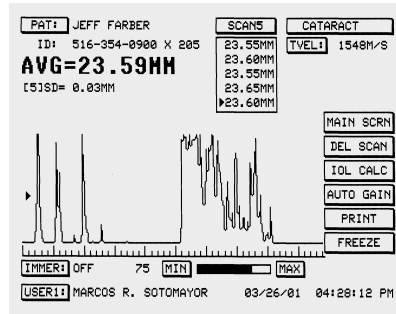
Optional printer

Power requirements:

PacScan system 5W/90-250VAC
Optional printer 9W/90-250VAC



Adjustable legs for angled viewing from 0 to 45 degrees.



A-Scan Display

A-Scan

Live A-Scan display

5 different examination modes

- Cataract
- Dense cataract
- Aphakic
- Pseudophakic
- Manual gain control

Permanent storage of 5 scans for later review and IOL calculation

A-Scan measurement review capability

- Axial length, anterior chamber depth, and lens thickness measures for each scan
- Axial length average and standard deviation for up to 5 scans

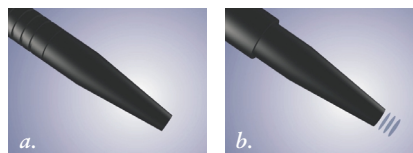
5 Available IOL formulas

- Binkhorst
- Regression-II
- Theoretic-T
- Holladay
- Hoffer-Q

Immersion capabilities

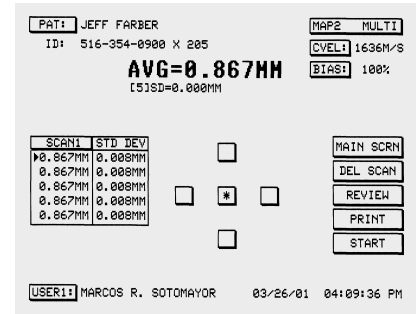
Clinical accuracy ± 0.1 mm

Electrical accuracy ± 0.484 mm standard or soft-touch probe styles available.



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

Average and standard deviation computed for each reading. Reading is result of 256 individual measurements

Multiple corneal maps with graphical display

Measurement range 0.30 mm to 1.00 mm

Measurement review mode

Selectable bias and corneal velocity

Accuracy better than 5 microns

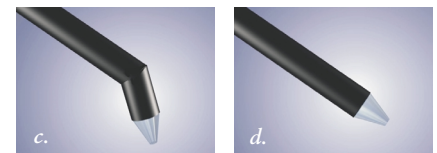
Precision ± 1 micron

Resolution of 1 micron

Acceptance angle of 10°

Automatic calibration check and probe sensitivity test

Straight or 45 angled probe styles available



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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