



CAS2000[®] @bY

A-Scan/Pachymeters



OPHTHALMOLOGY / ENT



CAS2000 @JbY

A-Scan/Pachymeter

- Cod. **CAS-2000A** - A-Scan only
- Cod. **CAS-2000P** - Pachymeter only
- Cod. **CAS-2000AP** - A-Scan/Pachymeter



- Compact Body, Light Weight
- Friendly LCD Touch Screen
- Contact and Immersion Modes
- Multiple IOL Power Calculation
- Build-in Thermal Printer
- Capable of Connecting to PC
- Optional Workstation on PC

Ophthalmic A-Scan/Pachymeter with macular recognition function, can accurately measures axial length, anterior chamber depth, lens thickness, as well as intra-ocular lens calculation. And also with the central area and the peripheral areas gain automatic compensation capability, accurate measurement of central and peripheral corneal thickness, is widely used in the preoperative examination and postoperative effect evaluation of refractive surgery.

Eye: OD/Right

| Normal | AC | Len | Vit | Contact | Ax1 |
|--------|------|------|-------|---------|-----|
| 1#: | 2.82 | 2.51 | 17.00 | 22.33 | |
| 2#: | 2.82 | 2.67 | 16.85 | 22.34 | |
| 3#: | 2.78 | 2.72 | 16.85 | 22.35 | |
| 4#: | 2.78 | 2.72 | 16.85 | 22.35 | |
| 5#: | 2.78 | 2.77 | 16.85 | 22.40 | |
| Avg: | 2.80 | 2.68 | 16.88 | 22.35 | |
| SD: | 0.02 | 0.09 | 0.06 | 0.02 | |

Print Close

Formula: SRK-T

K1: 45.000 Ax1: 24.50mm
 K2: 45.000
 DR: +0.000

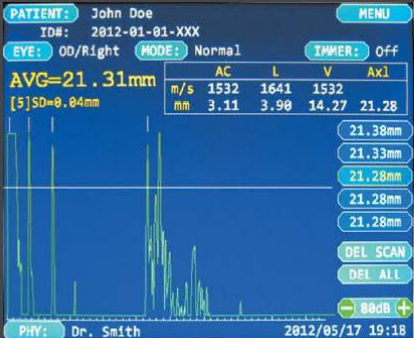
| A-Const: 118.0 | | A-Const: 118.5 | |
|----------------|-------|----------------|-------|
| IOL | Refr | IOL | Refr |
| 14.50 | 0.68 | 15.00 | 0.64 |
| 15.00 | 0.36 | 15.50 | 0.32 |
| + 15.50 | 0.03 | + 16.00 | 0.00 |
| 16.00 | -0.31 | 16.50 | -0.32 |
| 16.50 | -0.64 | 17.00 | -0.65 |

Print Close

PATIENT INFORMATION

Name: John Doe
 ID: 2012-01-01-001

1 2 3 4 5 6 7 8 9 0 - +
 q w e r t y u i o p ← Bkspc
 a s d f g h j k l ↵ Enter
 Caps z x c v b n m . /
 Shift ← →



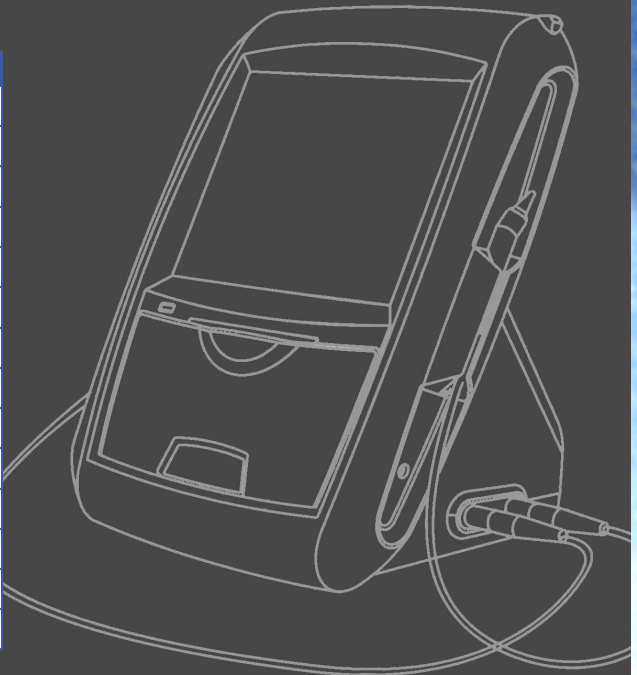
Biometry Data:

| | AC | Len | VR | Ax1 | OC/Right | OC/Left |
|-----|------|------|-------|-------|----------|---------|
| #1 | 2.82 | 2.51 | 17.00 | 22.33 | #1 2.79 | 3.08 |
| #2 | 2.82 | 2.67 | 16.85 | 22.34 | #2 2.79 | 3.13 |
| #3 | 2.78 | 2.72 | 16.85 | 22.35 | #3 2.79 | 3.08 |
| #4 | 2.78 | 2.72 | 16.85 | 22.35 | #4 2.79 | 3.02 |
| #5 | 2.78 | 2.77 | 16.85 | 22.40 | #5 2.79 | 3.08 |
| Avg | 2.80 | 2.68 | 16.88 | 22.35 | Avg 2.79 | 3.06 |
| SD | 0.02 | 0.09 | 0.06 | 0.02 | SD 0.00 | 0.07 |

Pachymetry Data:

| | OC/Right | OC/Left |
|-------|----------|---------|
| 990um | 990um | 990um |
| 990um | 990um | 990um |
| 990um | 990um | 990um |

| CAS-2000 Version | A | P | AP |
|-------------------------------|---|---|----|
| Main Unit | • | • | • |
| A-Scan Probe | • | ✗ | • |
| A-Scan Calibration Cylinder | • | ✗ | • |
| Pachymetry Probe | ✗ | • | • |
| Pachymetry Calibration Slice | ✗ | • | • |
| Foot Pedal | • | • | • |
| Touch Pen | • | • | • |
| Thermal Print Paper | • | • | • |
| USB Cable | • | • | • |
| Power Cable | • | • | • |
| Operators' Manual | • | • | • |
| AP Scan Sync Users' Guide | • | • | • |
| Compact Disc for AP Scan Sync | • | • | • |
| Software | • | • | • |





Technical Features

A-SCAN (only for CAS-2000A and CAS-2000AP)

| | |
|------------------------------|--|
| A scan probe | 10MHz import small size probe, built-in luminotron |
| Measuring range | 15mm-40mm |
| Measurement precision | ±0.05mm; with macula lutea trace function |
| Measurement | Anterior chamber depth, lens thickness, vitreous body length, total length and average |
| Method of measurement | immersion and contact |
| Eye mode | Phakic/ Aphakic/Dense/ various IOL |
| IOL formula | SRK-II, SRK-T, BINKHORST-II, HOLLADAY, HOFFER-Q, HAIGIS |
| Archive | Enter the name & ID; easy to check archive |
| Storage | 10 cases, 5 readings each case |
| Output | A scan waveform and IOL calculation sheet |

PACHYMETER (only for CAS-2000P and CAS-2000AP)

| | |
|-----------------------------|--|
| P scan probe | 20MHZ, angle of 45 degrees makes easier operation |
| Resolution | 5um |
| Measuring range | 150um~1500um |
| Display | SINGLE mode and MAP mode |
| Waveform | Can display ultrasound waveform when measuring |
| Average Measurements | Each group is the average of 20 measurements |
| Switch | Switch between IOP measured value and actual value |
| Archive | Can input name, ID and operator's name |

MAIN UNIT

| | |
|------------------|---|
| Screen | 5.6 inch LCD Touch screen |
| Input | Touch screen and footswitch |
| Freeze | Curve freezing: Manual/Auto mode, controlled by pedal |
| Printer | Built-in speed thermal printer |
| Power | 100-240VAC, 50/60Hz |
| Dimension | 170x150x200mm (WxDxH) |
| Weight | 1.2Kg |



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