

SPECIFICATION NIDEK Optical Biometer

TYPE : AL-Scan

MERK : NIDEK

Optical measurement

| | | |
|---------------------------|--------------------|------------------------------------|
| Axial length | Measurement Range | 14 to 40mm |
| | Display increments | 0.01mm |
| | Measurement method | Low-coherence interferometry (LCI) |
| Corneal curvature radius | Measurement Range | 5.00 to 13.00 mm |
| | Display increments | 0.01 mm |
| Anterior chamber depth | Measurement Range | 1.5 to 6.5 mm |
| | Display increments | 0.01 mm |
| Central corneal thickness | Measurement Range | 250 to 1,300 µm |
| | Display increments | 1 µm |
| White-to-white distance | Measurement Range | 7 to 14 mm |
| | Display increments | 0.1 mm |
| Pupil size | Measurement Range | 1 to 10 mm |
| | Display increments | 0.1 mm |

Ultrasonic measurement

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|-------------------|--------------------|-----------------|
| Axial length | Measurement Range | 12 to 40 mm |
| | Display increments | 0.01 mm |
| Corneal thickness | Measurement Range | 200 to 1,300 µm |
| | Display increments | 1 µm |

IOL power calculation formula

| | |
|-------------------|---|
| Conventional | SRK, SRK II, SRK/T, Binkhorst, Hoffer Q, Holladay 1, Haigis, Camellin-Calossi Camellin-Calossi, Shammas PL |
| Post-LASIK | X-Y-Z directions |
| Auto tracking | Available |
| Auto shot | Tilttable 8.4-inch color LCD touch screen |
| Display | Thermal line printer with automatic paper cutter |
| Printer | LAN, USB |
| Interface | AC 100 to 240 V |
| Power supply | 50/60 Hz 100 VA |
| Power consumption | 283 (W) x 504 (D) x 457 (H) mm / 21 kg |
| Dimensions/Mass | 11.1 (W) x 19.8 (D) x 18.0 (H)" / 46 lbs. |

AL-Scan Viewer for NAVIS-EX*

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|--|---|
| IOL calculation formula | |
| Conventional | SRK, SRK II, SRK/T, Binkhorst, Hoffer Q, Holladay 1, Haigis, Camellin-Calossi, Barrett Universal II |
| Post-LASIK | Camellin-Calossi, Shammas-PL, Barrett True-K |
| Toric calculator | Barrett Toric Calculator |
| Additional features | |
| IOL registration | Maximum data entry for 100 IOLs |
| Surgeon registration | Maximum of 50 Surgeons |
| Surgeon-specific constant optimization | Available |

Table Electrical Table

| | |
|-----------------------------|--------------|
| External PC Computer | Yes,Included |
| Printer | Color |
| UPS | 2 KVA |