

INTRODUCING

The Cataract Workstation

Two multi-function instruments. One streamlined process.

Save time, space and money while enhancing visual results.

By combining the Topcon KR-800S Auto Kerato Refractometer with subjective refraction and glare testing with the Aladdin Biometer with corneal topography, the time between cataract determination and premium IOL selection can be substantially reduced.

KR-800S



Subjective and glare for pre-op evaluation

ALADDIN



Accurate IOL Calculation

CATARACT SURGERY



KR-800S



Post-Op evaluation
HKNS9

HKNS9



Glare test

PERFORMANCE
YOU CAN COUNT ON



Specifications: Aladdin Biometer

Measurement ranges for IOL power calculation

Axial Length (interferometry): 15 mm–38 mm

Corneal Radii: 3.3–37,5 mm / 9.0–101.5 D

Anterior Chamber Depth: 1.5 mm–5.5 mm

White to White: 6–18 mm

Pupil size: 0.5–10 mm

On-board IOL calculation formulae

SRK II, SRK/T, Hoffer Q, Holladay 1, Haigis, Camellin-Calossi (post refractive IOL calculation)

Placido Topography Specifications

Keratoscope cone: 24 rings equally spaced on a 43D sphere

Analyzed points: Over 100,000

Measured points: Over 6,200

Corneal coverage: Up to 9.8 mm on a sphere of 8 mm radius (42.2 diopters with $n=1.3375$)

Diopter power range: 9.0–101.5 D

Resolution: $\pm 0.01D$, 1 micron

Accuracy/precision axial radius: ± 0.02 mm

Machine Specifications

Display: 10.1 inch color touch screen

Interfaces: 2 USB, LAN

External Printer: Any USB printer (provided by user)

Dimensions/Weight: 47cm (L) x 49cm (H) x 32cm (W) / 18kg

Power Consumption: max. 150 VA

Power Supply: AC 100–240 V 47–63 Hz

Specifications: KR-800S Auto Refractor

Objective Refractometer Mode

Sphere Range: -25 to +22 D (0.12D/0.25D steps)¹

Cylinder Range: OD to 10D (0.12D/0.25D steps)¹

Axis Range: 0° to 180° (1°/5° steps)

Minimum Measurable Pupil Diameter: 2mm

Corneal Curvature Mode

Corneal Curvature Radius: 5.00mm to 10.00mm (0.1mm display unit)

Corneal Refraction: 67.50D to 33.75D (0.12D/0.25D steps)

Refraction Index: 1.3375

Corneal Astigmatism: OD to 10D (0.12D/0.25D steps)

Corneal Astigmatism Axial Angle: 0 to 180° (1°/5° steps)

Subjective Measurement Mode

Sphere Range: -18 to +18D (0.25D steps)²

Cylinder Range: OD to 8D (0.25D steps)²

Axis Range: 0° to 180° (1°/5° steps)

Others

PD Measurement Range: 20–85mm (0.5mm display unit)

Input/Output: USB (for import), RS-232C (for export), LAN (for export)

Other Specifications

Dimensions: 317–341mm (W) x 521–538mm (D) x 447–477mm(H)

Weight: 16kg

Power Supply: 100–240V AC, 50–60HZ

1. $-25D \leq$ spherical refractive power + cylindrical refractive power or spherical refractive power + cylindrical refractive power $\leq + 22D$

2. $-18D \leq$ spherical refractive power + cylindrical refractive power or spherical refractive power + cylindrical refractive power $\leq + 18D$

Topcon Medical Systems, Inc.

111 Bauer Drive, Oakland, NJ 07436, USA

t 800.223.1130 f 201.599.5248 • topconmedical.com

©2015 Topcon Medical Systems, Inc.