

Marco **AUTOREFRACTOR/ ARK-F KERATOMETER**

new



- Fully automatic operation (auto start, auto chin rest adjust, auto detect, auto X-Y-Z align, auto capture, auto eye transition)
- Voice command guidance for staff & patients
- Wide area refraction up to 6 mm, mire ring for keratometry, objectively measures accommodation, captures retro-illumination images
- Large 7.0" LCD touch screen with 360° swivel & tilt capabilities for versatile positioning in corners/against walls
- Sharper & clearer images using Super Luminescent Diode (superior to LED)
- Optional hand-held remote control for manual measurements
- Optional control from an iPad app that provides a 1-to-1 display of the ARK-F screen

ARK-F SPECIFICATIONS

Auto refractometer Measurement range	Sphere -30.00 to +25.00 D (VD = 12 mm) (0.01/0.12/0.25 D increments) Cylinder 0 to ± 12.00 D (0.01/0.12/0.25 D increments) Axis 0 to 180° (1°/5° increments)
Minimum measurable pupil diameter	2 mm
Auto keratometer Measurement range	Curvature radius 5.00 to 13.00 mm (0.01 mm increments) Refractive power 25.96 to 67.50 D (n = 1.3375) (0.01/0.12/0.25 D increments) Cylindrical power 0 to ± 12.00 D (0.01/0.12/0.25 D increments) Axis 0 to 180° (1°/5° increments)
Sagittal measurement	25° each from the center (superior side, inferior side, temporal side, nasal side)
Vision comparison	Available with scenery chart
Retro illumination image	Standard
Accommodation measurement range	0 to 10.00 D (0.01 / 0.12 / 0.25 D increments)
Pupillary distance measurement range	30 to 85 mm (1 mm increments) (Near point PD: 28 to 80 mm at WD = 40 cm)
Corneal size measurement range	1.0 to 14.0 mm (0.1 mm increments)
Pupil size measurement range	1.0 to 10.0 mm (0.1 mm increments)
Auto tracking	Fully automatic 3D tracking (X-Y-Z directions)
Auto shot	Standard
Auto measurement	Start automatically after eye detection
Auto transition from right to left eye measurement	Standard
Power supply	AC 100 to 240 V, 50/60 Hz
Power consumption	100 VA
Dimensions/Mass	305 (W) x 492 (D) x 488 (H) mm / 20 kg 12.0 (W) x 19.4 (D) x 19.2 (H)" / 44 lbs.
Standard accessories	Printer paper, Power cord, Dust cover, Chinrest paper, Fixing pins for chinrest paper, Spherical model eye with integrated contact lens holder
Optional accessories	Communication cable (RS-232C), Barcode scanner, Magnetic card reader, Hand-held control (wired or wireless type), Tablet control software

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All Marco Technologies integrate with EMR via Marco Connect Software



Designed and Manufactured by NIDEK - Represented by Marco
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