

ARK-530A Specifications



- Tilttable LCD
- Alignment Indicators
- Easy Load Paper
- Automatically Cuts Printer Paper
- Motorized Chinrest
- One-Touch Lock
- IC Card Reader
- Multiple USB Ports

Auto Refractor

Measurable Range

SPHERE

-30.00D to +25.00D (VD=12 mm)
(0.01 / 0.12 / 0.25D increments)

CYLINDER

0D to ± 12 D
(0.01/0.12/0.25D increments)

AXIS

0° to 180°
(1°/5° increments)

Measurable minimum pupil diameter

ϕ 2mm

Auto Keratometer

Measurable Range

RADIUS CURVATURE

5.00 to 13.00 mm
(0.01 mm increments)

REFRACTIVE POWER

25.96D to 67.50D (n=1.3375)
(0.01 / 0.12 / 0.25D increments)

ASTIGMATISM

0D to ± 12.00 D
(0.01 / 0.12 / 0.25D increments)

AXIS

0° to 180°
(1°/5° increments)

ORDINARY MEASUREMENT AREA PERIPHERAL MEASUREMENT AREA

ϕ 3.3mm (R=7.7mm)

ϕ 6.0mm (R=7.7mm)

n=1.3375/1.336/1.332

PD Measurable Range

30 to 85mm (1mm increments)
(Near point PD: 28 to 80mm at WD=40cm)

Corneal Size Measurable Range

10 to 14mm (0.1mm increments)

Pupil Size Measurable Range

1 to 10mm (0.1mm increments)

Auto Tracking & Auto Shooting

X-Y-Z directions, Auto shooting

Virtual Vision Comparison

Range: -20 to +20D

Chart

Scenery chart

Display

Tilttable 5.7-inch color LCD

Printer

Built-in thermal-type line printer
(Easy loading and auto cutter)

Interface

RS-232C (IN/OUT)

USB

IC Card Reader* *Card is optional

Power Supply

AC100 - 240V $\pm 10\%$

50/60 Hz

Power Consumption

100 VA

Dimensions & Weight

260 (W) x 481 (D) x 455 (H)mm/20 kg

10.23 (W) x 18.93 (D) x 17.9 (H)"/44.1 lbs.

Standard Accessories

Spare Printer Paper, Power Cord, Dust Cover,
Chinrest Paper, Fixing Pins, Model Eye

Optional Accessories

Interface cable, Bar Code Scanner

The ARK-530A is manufactured by Nidek.



AUTOMATIC REFRACTOR/KERATOMETER

The ARK-530A can also
be interfaced with any
Marco Refraction Systems.



MO061000 BR-ARK530A

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