

AUTOMATIC AND EASY AKR TO ENHANCE YOUR DAILY PRACTICE



AKR 800



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The AKR 800 autokerato-refractometer conducts precise and reliable objective refraction and keratometry.

With its innovative design and its fast, easy-to-use and fully-automatic measurement system, you will enhance your practice by making objective refraction easier.

Includes additional features such as keratometry and white-to-white measurement for contact lens fitting. Enhances patient awareness and education with night vision refraction.



1

DELIVER PRECISE AND RELIABLE OBJECTIVE REFRACTION



Provide accurate refraction through a single click, while benefiting from **intuitive measurement modes** to further gain time.

Rely on **accurate measurements**¹ even for **smaller pupils** (\varnothing 2.0mm), with objective refraction enabling you to optimize subjective refraction assessment.

2

ENHANCE YOUR DAILY PRACTICE WITH GREAT USER CONVENIENCE



Make fast refraction measurements in less than 20 seconds thanks to **fully-automated alignment**, focus and image capture to optimize your day-to-day customer traffic management.

Benefit from **ease of installation** and a **flexible layout**. Thanks to the device's small footprint and 180° rotating and 40° tiltable screen, it can be conveniently integrated into your store layout.

3

ASSESS NIGHT VISION AND FIT CONTACT LENSES



Strengthen your expertise and precision in contactology thanks to **automatic peripheral keratometry** and **white-to-white measurement**.

Benefit from **accurate corneal measurement** to offer patients more personalized service and prescriptions.

Raise patient awareness by **assessing variations in refraction between day and night lighting** conditions to better understand patient needs and guide them towards adapted solutions.

1. Compliant EN ISO 10342 and EN ISO 10343

TECHNICAL SPECIFICATIONS

REFRACTION MEASUREMENTS

Sphere	-30D to +22D (step: 0.01/0.12/0.25D)
Cylinder	0 to ±10D (step: 0.01/0.12/0.25D)
Axis	0 to 180° (step: 5°/1°unit)
Min pupil diameter	Ø 2.0mm
Vertex distance	0mm; 10mm; 12mm; 13.5mm; 15mm
Light environment	Photopic, Mesopic, Scotopic
Auto tracking	3D Auto (X-Y-Z directions) or Manual
Auto shot	Available
Auto transition from right to left eye	Available

KERATOMETRY MEASUREMENTS

Corneal curvature radius	5.0 to 10.0mm (step: 0.01mm)
Corneal refractivity	33.75 to 67.5D (step: 0.12/0.25D)
Degree of corneal astigmatism	0 to ±10D (step: 0.12/0.25D)
Axis Angle	1 to 180° (step: 5°/1°)
Peripheral measurement	φ7.0mm

OTHER MEASUREMENTS

Pupillary distance	0mm to 85mm (step:1mm)
Pupil diameter	φ2.0mm ~ 8.5mm (step: 0.1mm)
Corneal measurement	φ12mm – (diagonal measurement: φ14mm (step: 0.1mm))

HARDWARE SPECIFICATIONS

Screen	10.4 inches color LCD monitor (TFT) 180° rotatable, 40° tiltable
Chinrest	Motorized
Printer	Thermal line printer with auto-cutter
Data output	LAN, USB-A, RS-232C
Dimensions and weight	10.7 (W) x 18.3 (D) x 19.0-20.6 (H) in - 48 lbs.
Power source	100-240V AC, 50/60Hz, 90VA



CE 0459

This is a medical device MDD Class Im. Legal manufacturer : Essilor International.
For professional use only. Read instructions carefully for use.



NETWORK

