

Aladdin-M

Optical Biometry + Corneal Topography



EXPAND YOUR PRACTICE

Aladdin-M

Optical Biometry + Corneal Topography

Gain new insights into your patients' axial length, refractive error, corneal curvature and pupil size and response with one easy-to-use instrument. Establish baseline metrics and track change over time to add new services to your practice and enhance patient care.



Aladdin-M offers an efficient, affordable and repeatable way to baseline axial length and monitor change over time.

This versatile instrument also includes corneal topography, pupillometry, anterior cornea wavefront analysis and contact lens fitting tools making it a comprehensive device for monitoring axial length, evaluating the corneal surface, assessing visual quality and fitting specialty lenses.

Analysis tools plot changes in axial length, refraction and corneal power; highlight differences in corneal shape between visits; and map higher order aberrations.

Overview



Axial length measurements by Optical Low Coherence Interferometry



Axial length, refractive error and corneal power trend reports



Corneal topography with aberration maps and white-to-white measurement



Static and dynamic pupillometry



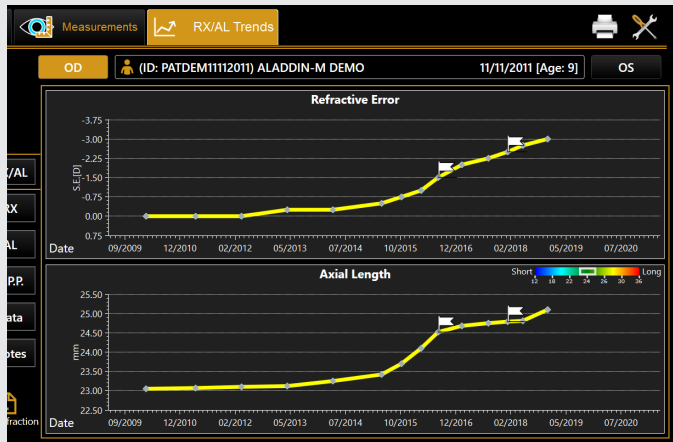
Contact lens fitting tools



Compact and easy to operate

Axial Length Measurements

Quickly captures baseline axial length measurements to aid in risk assessment and monitor changes in axial length, refractive error and corneal power over time. A trend line graph displays the speed at which axial length is changing.



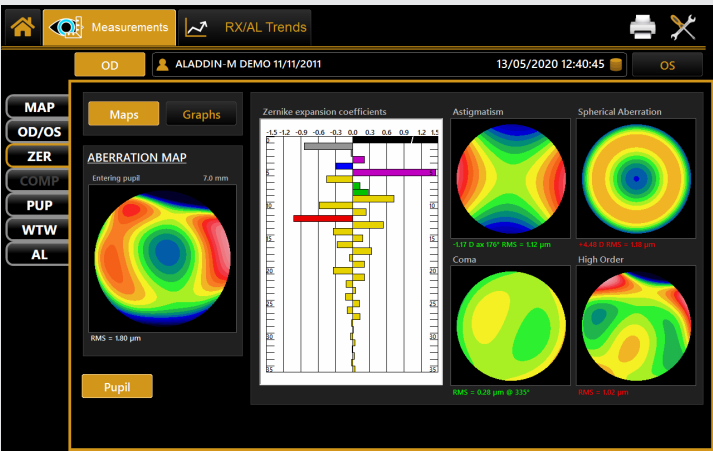
Dynamic Pupillometry

Facilitates quick assessment of the size and light reflexes of the pupil, which may be useful to monitor low dose atropine compliance or to adjust the dose of atropine. The user can examine pupil centration and diameter over a range of light levels, which is useful for ortho-K and multifocal lens fitting and is also informative for pre- and post-refractive surgical evaluations.



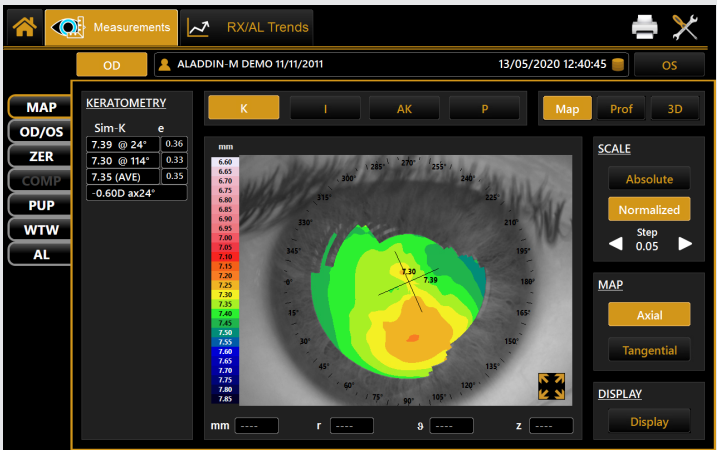
Corneal Aberration Summary

Displays maps of higher order aberrations of the eye over different pupil sizes and simulates the effect on the patient's visual quality, helping the ECP optimize optical recommendations or contact lens parameters.



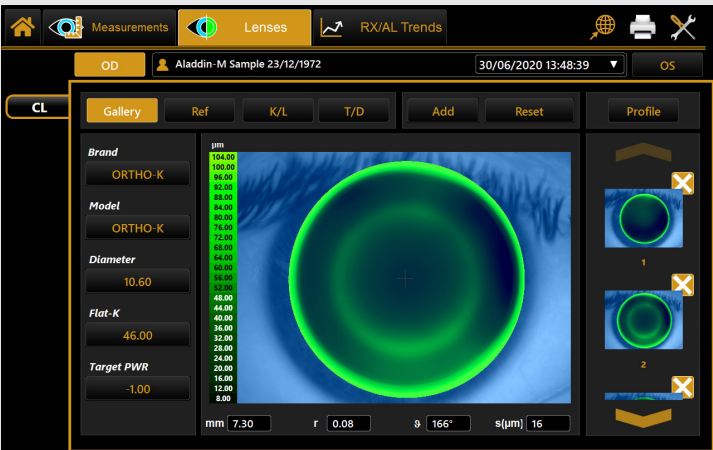
Corneal Topography

Enables examination and analysis of corneal curvature and visit-to-visit comparison, which provides valuable information to assess keratoconus probability and support specialty contact lens fitting. White-to-white measurements are automatically calculated during topography to support the selection of contact lens diameter.



Contact Lens Fitting Tools

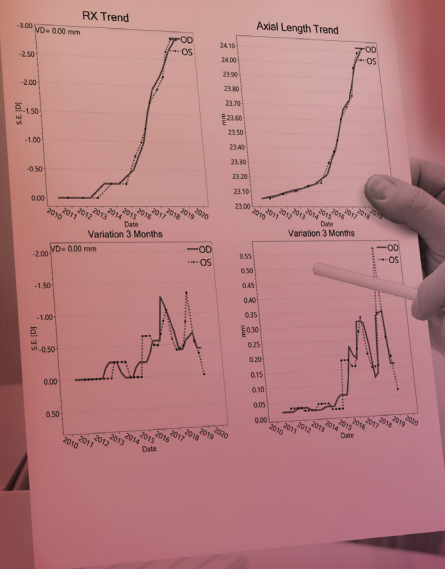
Reduces the number of trial lenses with a database of conventional RGP and Ortho-K lenses and fluorescein simulation. Export topographical data to third party calculators to streamline lens selection.



Aladdin-M is
a multi-functional
instrument that offers
new opportunities
for practice growth.

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Aladdin-M makes your practice
dynamic and smart.

This versatile instrument, with its intuitive and user-friendly interface, integrates easily into your workflow and offers different options for exporting the results.

4 Easy steps



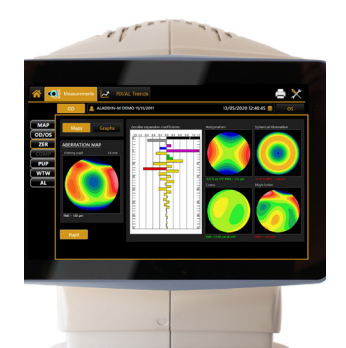
Select patient* and
acquisition mode.



Align patient and
adjust automated
chinrest.

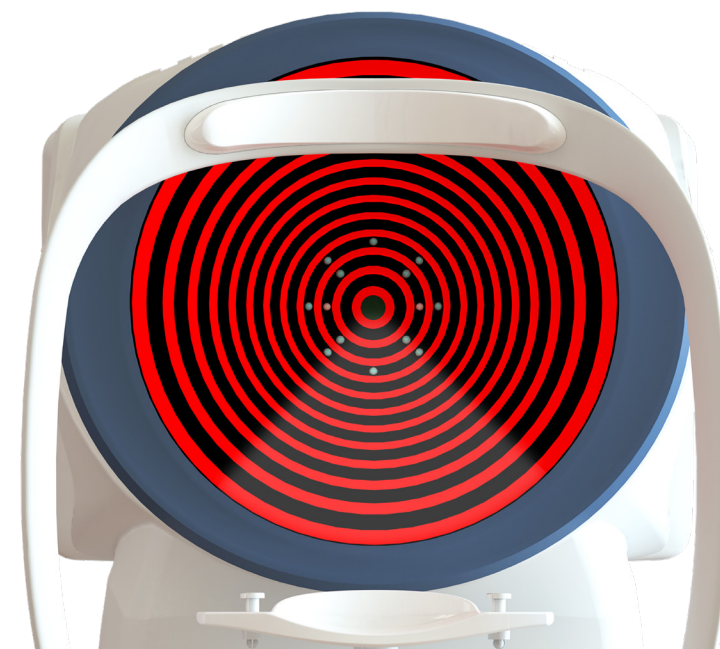


Follow alignment
guides to focus
and trigger to start
acquisition.



Review results and
print/export reports
to network or USB.

* Create new patient, select existing patient or select patient from DICOM (search/worklist).



ALADDIN-M SPECIFICATION

FEATURE	SPECIFICATION
MEASUREMENT RANGE	
Axial Length (Interferometry)	15mm - 36mm
Corneal Radii	5.00mm - 12.00mm / 28.00D - 67.50D
White-to-White Measurement	8.00mm - 14.00mm
Pupillometry	Dynamic, Photopic and Mesopic 0.5mm - 10mm
PLACIDO TOPOGRAPHY SPECIFICATIONS	
Keratoscopic Cone	24 rings on a 43D sphere, working distance 80mm
Points Analyzed	Over 100,000
Points Measured	6,200
Cornea Coverage	Up to 9.8mmØ (on a 8mm sphere) 42.2D with N=1.3375
Guided Focus System	Yes
APEX KERATOMETRY (AK)	
Apical Curvature	Yes
Apical Gradient of Curvature	Yes
Symmetric Index	Yes
SOFTWARE FEATURES	
Zernike Analysis	Pupil size from 2.5mm to 7.0mm
Print To	USB printer, Network printer, PDF to shared network folder, PDF to USB drive
INSTRUMENT SPECIFICATIONS	
Display	10.1" Touch screen
Storage	At least 500GB
Operating System	Windows 10 64bit
Processor	Intel Celeron
Internal Memory	4GB RAM
Power Input	AC 100 - 240V 46-63 Hz
Dimensions	320 mm (W) x 490 mm (H) x 470 mm (L)
Weight	18 kg
Connections	1x LAN, 2x USB
Supports	USB Barcode scanner, External USB keyboard / mouse
Markings	ETL
REPORTS	
Corneal Map Report	Yes
RX/AL Trend Report	Yes
Pupillometry	Yes