MYAH

Optical Biometry + Corneal Topography

Build, Manage, and Grow
Your Myopia Practice

TOPCON Healthcare

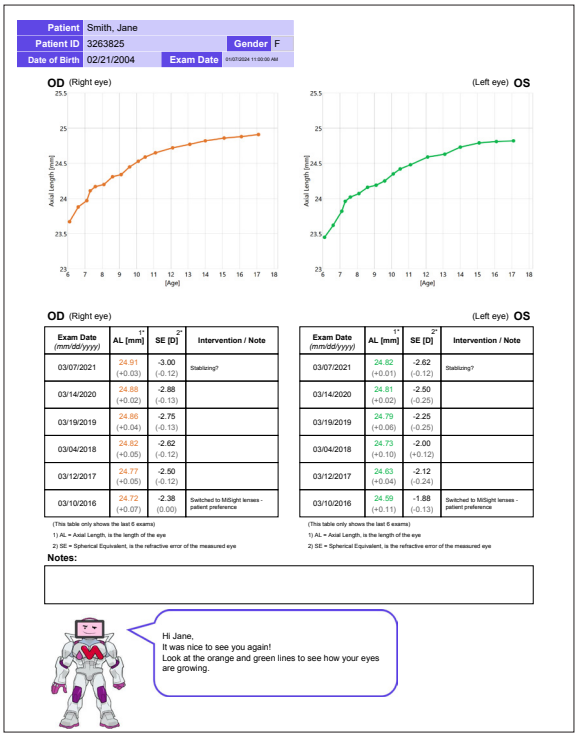
VERSATILE, RELIABLE, AND EFFICIENT

MYOPIA PROGRESSION TRACKING + CORNEAL AND DRY EYE ANALYSIS

MYAH is the multifunctional device for empowering myopia management and evaporative dry eye assessment, providing a holistic approach to monitor axial length, assess the corneal profile, and evaluate meibomian gland health.

Myopia Trend Reports

Parent and patient-friendly reports enhance communication and facilitate effective monitoring of myopia management.



Patient	Smith, Jane		
Patient ID	3263825	Gender	F
Date of Birth	02/21/2004	Exam Date	01/07/2024 11:00:00 AM

OD (Right eye)

(Left eye) OS

OD (Right eye)

Exam Date (mm/dd/yyyy)	AL [mm] 1*	SE [D] 2*	Intervention / Note
03/07/2021	24.91 (+0.03)	-3.00 (-0.12)	Stabilizing?
03/14/2020	24.88 (+0.02)	-2.88 (-0.13)	
03/19/2019	24.86 (+0.04)	-2.75 (-0.13)	
03/04/2018	24.82 (+0.05)	-2.62 (-0.12)	
03/12/2017	24.77 (+0.05)	-2.50 (-0.12)	
03/10/2016	24.72 (+0.07)	-2.38 (0.00)	Switched to MiSight lenses - patient preference

(This table only shows the last 6 exams)
1) AL = Axial Length, is the length of the eye
2) SE = Spherical Equivalent, is the refractive error of the measured eye

(Left eye) OS

Exam Date (mm/dd/yyyy)	AL [mm] 1*	SE [D] 2*	Intervention / Note
03/07/2021	24.82 (+0.01)	-2.62 (-0.12)	Stabilizing?
03/14/2020	24.81 (+0.02)	-2.50 (-0.25)	
03/19/2019	24.79 (+0.06)	-2.25 (-0.25)	
03/04/2018	24.73 (+0.10)	-2.00 (+0.12)	
03/12/2017	24.63 (+0.04)	-2.12 (-0.24)	
03/10/2016	24.59 (+0.11)	-1.88 (-0.13)	Switched to MiSight lenses - patient preference

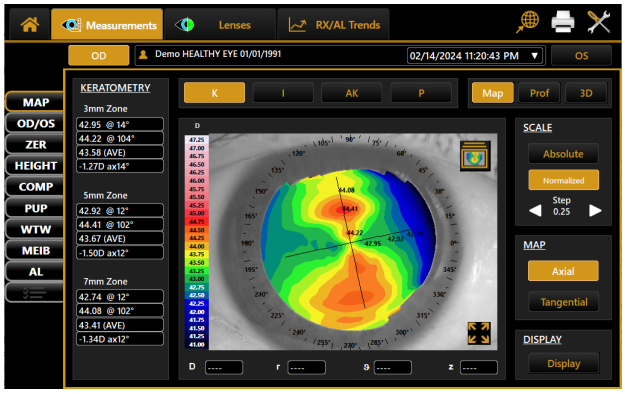
(This table only shows the last 6 exams)
1) AL = Axial Length, is the length of the eye
2) SE = Spherical Equivalent, is the refractive error of the measured eye

Notes:

Hi Jane,
It was nice to see you again!
Look at the orange and green lines to see how your eyes are growing.

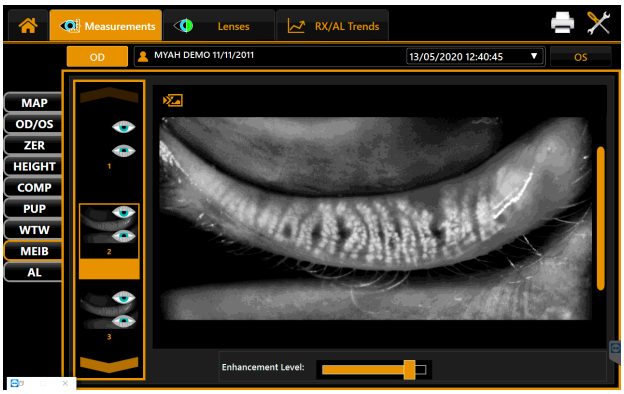
Axial Length (AL) Measurements

Quickly capture accurate, repeatable, and non-invasive axial length measurements. Monitor progression of AL and refractive error from visit to visit.



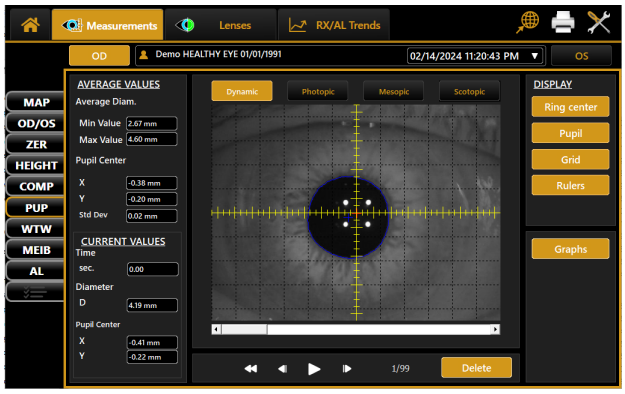
Corneal Topography

Assess corneal curvature, corneal elevation, white-to-white measurements, anterior corneal aberrations, and support specialty contact lens fitting.



Meibomian Gland Imaging

Capture images of the meibomian glands to aid in the assessment of ocular surface disease.



Dynamic Pupillometry

Examine pupil size, centration, and reflexes under various light conditions.

MYAH FEATURES

- Axial length measurement using Optical Low Coherence interferometry
- Corneal topography with aberrometry and white-to-white measurement
- Myopia questionnaire and progression reports for analyzing treatment efficacy
- Contact lens fitting software
- Dynamic and static pupilometry
- Meibomian gland imaging with contrast enhancement
- Patient-friendly with rapid capture

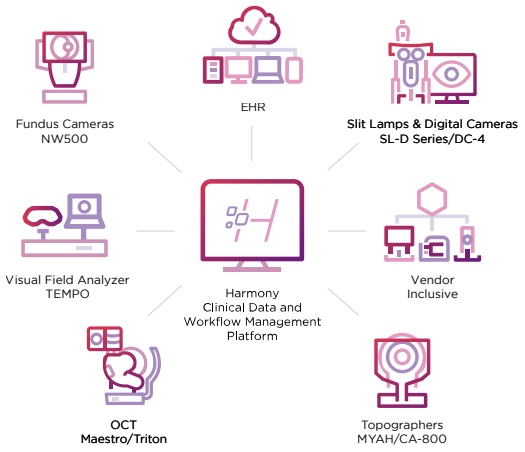
SPECIFICATIONS

FEATURE	SPECIFICATION
Keratoscopic cone	24 rings equally distributed on a 43 D sphere
Analyzed points	Over 100,000
Measured points	6,144
Corneal coverage	Up to 9.8 mm on a sphere of radius 8.00 mm (42.2 D with n=1.3375)
Axial Biometry	Low-coherence interferometry on optical fiber (SLED @ 820 nm)
Capture system	Guided-focus
Database	Internal
Pupillometry	Dynamic, Photopic, Mesopic, Scotopic
Reports	Keratometry/Corneal Topography, Height Map, Comparison Map, Zernike Analysis, Pupillometry, Contact Lens, Meibomian Gland, RX/AL Trend Analysis, Parental
Working environment	10 °C – 40 °C, Relative humidity 8 – 75% (no condensing), Atmospheric pressure 800 – 1060 hPa
Power supply	AC 100 – 240 V 50/60 Hz
Power consumption	100 VA
Dimensions	320 mm (W) x 490 mm (H) x 470 mm (L), 18 Kg
Printing options	USB printer, Network printer, PDF on network shared folder, PDF on USB PDF or Image on network folder or on USB
Operating System	Windows Embedded
Monitor	LCD 10.1 inch capacitive touch screen
RAM	At least 4 GB
Hard Disk	500 GB
External connections	LAN integrated, 2x USB

MEASUREMENTS

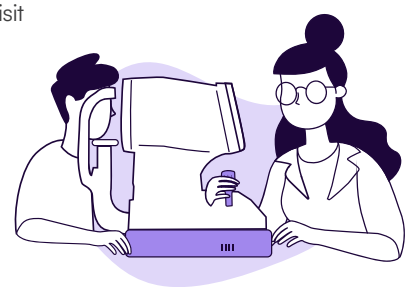
MEASUREMENT		MEASURING RANGE	DISPLAY RESOLUTION	IN VIVO REPEATABILITY
Keratometry	Radius of curvature	5.00 – 12.00 mm	0.01 mm	30.02 mm
	Curve Radius in Diopter (D) (n=1,3375)	28.00 – 67.50 D	0.01 D	30.12 D
Axial Length		15.00 – 36.00 mm	0.01 mm	30.027 mm
Pupil dimension		0.50 – 10.00 mm	0.01 mm	N/A
Limbus (White-To-White)		8.00 – 14.00 mm	0.01 mm	30.05 mm

CONNECTIVITY



Make Myopia Management as Easy as 1-2-3!

Scan the code to visit
Myopia123.com
and learn more!



VISIA IMAGING S.R.L.
Via Martiri della Libertà 95/e,
52027 San Giovanni Valdarno (AR), ITALY

IMPORTANT Subject to change in design and/or specifications without advanced notice. In order to obtain the best results with this instrument, please be sure to review all user instructions prior to operation. Medical device MDR Class IIa. Manufacturer: VISIA imaging S.r.l.

TOPCON Healthcare