

# MYOPIA EXPERT™ 700

Your Trusted Partner for Myopia Management.



Myopia Expert™ 700, a 2 in 1  
accurate and easy to use instrument.



# Introduction

2.5 billion people suffer from myopia today.<sup>1</sup>

50% of the world's population is predicted to be myopic by 2050.<sup>1</sup>

The younger a child becomes myopic the faster their myopia can progress.<sup>2,3</sup>

Addressing this rising tide requires an accurate and easy to use diagnostic solution.

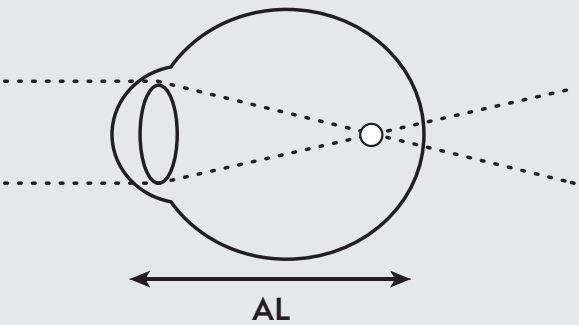


The Myopia Expert™ 700 is an optical biometer and topographer. It provides a fast and accurate solution\* for measuring axial length and corneal topography.

Set yourself apart as a reference in Myopia Care.

# Help control axial length growth

**Axial Length Measurement**  
A critical clinical indicator in myopia management.<sup>4</sup>



The earlier myopia progression is controlled, the less likely it is to become more severe.<sup>5</sup>  
International Myopia Institute (IMI) recommends a myopia follow-up exam every 6 months.<sup>6</sup>  
A 50 µm difference between two follow-up exams indicates some myopia progression.<sup>7,8</sup>



Myopia Expert™ 700 can measure axial length with an in-vivo repeatability accuracy of +/-27 µm\*.  
Monitor myopia progression through dedicated chart analysis.

\*The Myopia Expert™ 700 has an in-vivo repeatability of +/-27 µm in Axial Length measurement. Visia Imaging (2021). ANNEX 18.7 Statistical Report. Data on file.  
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5. Sankaridurg, P. 2015. A less myopic future: what are the prospects? Clin Exp Optom, 98 (6), 494–6.  
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# Become a reference in myopia management

Myopia Expert™ 700 offers a complete set of measurements for a state-of-the-art myopia management service.

**Corneal topography**  
for accurate contact lens and Ortho-K fitting

**Keratometry**  
for a precise measurement of the central corneal radii

**Axial length**  
follow the evolution of the axial length

**Simulated contact lens**  
Simulated image with a large database for fitting & follow-up

**Pupillometry**  
to determine reaction times and size of pupil

**White-to-white measurement**  
for the horizontal corneal diameter measured between the borders of the corneal limbus



Capture multiple measurements for different myopia control solutions with one single instrument.



# Easy to use and integrate into your practice

Through its fast\* and simple process, Myopia Expert™ 700 provides a smooth and comfortable experience for both the ECP and the patient.



Child friendly by design. Complete acquisitions are done in a few seconds\*.



Non-invasive monitoring of axial elongation, without the use of anesthesia, for a comfortable experience for the patient.



\*Visia Imaging (2024). 5.3.2 Software Requirements Specification. Annex 12.14. Data on file.

# Specifications

## Measurement specifications

Axial length	Low coherence interferometry	
Corneal topography and keratometry	Keratoscopic cone	24 rings equally distributed on a 43D sphere
	Analyzed points	Over 100,000
	Measured points	Over 6,000
	Corneal coverage	Up to 9.8 mm on a sphere of radius 8 mm (42.2 diopters with n = 1.3375)
	Focus system	Guided focus
Pupillometry	Infrared LEDs + White LEDs for photopic pupil acquisition	
Fluorescein	Blue LEDs	

## Measurement range and accuracy

		Measuring range	Display resolution	In vivo repeatability
Keratometry	Curve radius	5.00 - 12.00 mm	0.01 mm	$\pm 0.02$ mm
	Curve radius in Diopter (D) ( $n=1.3375$ )	28.00 - 67.50 D	0.01 D	$\pm 0.12$ D
Axial length		15.00 - 36.00 mm	0.01 mm	$\pm 0.027$ 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	$\pm 0.05$ mm

## Environmental conditions

	In use	Storage	Transport
Temperature	Min 10°C Max 40°C	Min -20°C Max 70°C	Min -20°C Max 70°C
Relative humidity	8 - 75% (non condensing)	8 - 75% (non condensing)	8 - 75% (non condensing)
Atmospheric pressure	800-1060 h Pa	700-1060 h Pa	700-1060 h Pa

## Electrical specifications

Power supply	AC 100-240V 50/60 Hz	
Power consumption	100 VA	
Fuse	Type	20 x 5 mm
	Value	T 2.5A H 250 V anti-surge

## Mechanical specifications

Width	320 mm / 12.6 in
Height	490 mm / 19.3 in
Length	470 mm / 18.5 in
Weight	18 kg / 40 lbs

## PC specifications

Operating system	WINDOWS embedded
Processor	Intel®
RAM	At least 4 GB
Hard disk	At least 500 GB
External connections	LAN integrated, 2x USB



CE 0123

Rx only - For prescription only

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Myopia Expert 700 is a medical device MDR class IIa.

Legal manufacturer:

Visia Imaging S.r.l. Via Martiri della Libertà, 95/e San Giovanni Valdarno (AR) Italy

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