

# Technical Specification

# MPS II

Detect AMD risk early with fast, accurate and reproducible screening



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## Macular Pigment Screener (MPS II)

Measuring macular pigment levels to support a proactive, preventative approach to the growing global problem of AMD, the MPS II is

<b>Reliable:</b>	scientifically validated through use in multiple studies
<b>Repeatable:</b>	has accurately measured more than 4 million eyes
<b>Intuitive:</b>	easy-to-use user interface with icon-driven menus
<b>Fast:</b>	screen in 90 seconds per eye for efficient patient care
<b>Cost-effective:</b>	clear ROI through test fees and supplement sales

<b>Device type</b>	Computerised device capable of assessing macular pigment optical density (MPOD) Target viewing distance set to infinity Background luminance set at 250 cd/m <sup>2</sup>	
<b>Central stimulus</b>	Integrated output from blue, green and white LEDs Stimulus target angular subtense 1°	
<b>Peripheral fixation</b>	Integrated output from red LEDs Angular subtense ~2° Peripheral target offsets minimum +/- 6°	
<b>Test Modes</b>	<i>Standard</i>	A central only test estimating MPOD value by comparing result with age normative data
	<i>Detailed</i>	A central test plus a peripheral test, during which the patient fixates on an offset target. The combination of the two results produces an 'absolute' MPOD value. (This option would be used for patients who do not conform to age-normal parameters.)
<b>Average test times*</b>	<i>Standard</i>	~90 seconds per eye
	<i>Detailed</i>	~2-3 minutes per eye
<b>Patient unit inputs/outputs</b>	USB type B connector C13 mains Patient response button	
<b>Patient unit dimensions</b>	270-350 x 230 x 300-350 (length/height adjustable)	
<b>Patient unit weight (kg)</b>	4.26	
<b>Electrical specification</b>	Mains input 85-263v Ac / 50-60Hz universal input	
<b>Classification</b>	Class 1 Mains operated Type B applied part Continuous operation	
<b>Software specification</b>	Supported on MS Windows® Professional, v. 7, and above	
<b>Device model</b>	MPS9000	

\* Estimates only. The speed of each test type is dictated by the MPOD of each patient tested.

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TS v-1.1 (3-17)

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