

Technical specification

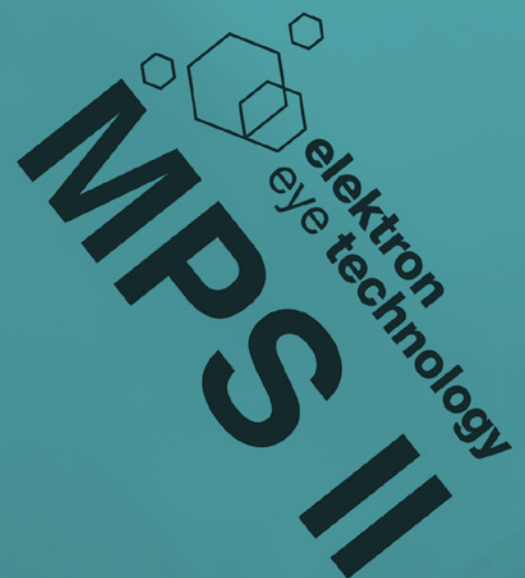
MPS II

Macular Pigment Screener from Elektron Eye Technology



"I believe that the MPS II is the quickest, most affordable, and most clinically relevant ophthalmic device in the world. It provides an efficient method for determining macular pigment optical density in everyday optometric and ophthalmological practice. I believe it will revolutionize the practice of eye care."

Stuart Richer, OD, PhD, FAAO
Director, Ocular Preventive Medicine
Captain James A Lovell Federal
Healthcare Facility, USA



Technical specification

Device type	Computerised device capable of assessing macular pigment optical density (MPOD) Target viewing distance set to infinity Background luminance set at 250 cd/m ²
Central stimulus	Integrated output from blue, green and white LEDs Stimulus target angular subtense 1°
Peripheral fixation	Integrated output from red LEDs Angular subtense ~2° Peripheral target offsets minimum +/- 6°
Test modes	Standard A central only test estimating MPOD value by comparing result with age normative data Detailed 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.)
Average test times*	Standard ~90 seconds per eye Detailed ~2-3 minutes per eye
Patient unit inputs/outputs	USB Type B connector C13 IEC socket Patient Response Button
Patient unit dimensions (L x W x H / mm)	270-350 x 230 x 300-350 (length/height adjustable)
Patient unit weight (kg)	4.26
Electrical specification	Mains input 85-263V AC / 50-60Hz universal input
Classification	Class 1 Mains operated Type B applied part Continuous operation
Software specification	Supported on MS Windows® Professional, v. 7, and above
Device model	MPS9000



For more information about
Elektron Eye Technology go to:
www.elektron-eye-technology.com

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