M700

essilor INSTRUMENTS

THE COMPREHENSIVE TOOL FOR PERIMETRY ANALYSIS

EMR

160°

LED

Optometry

THE
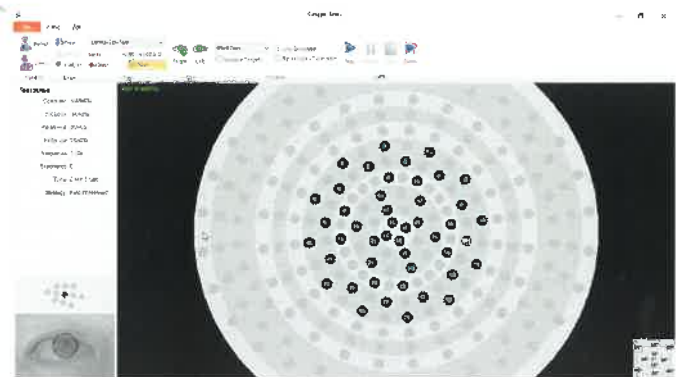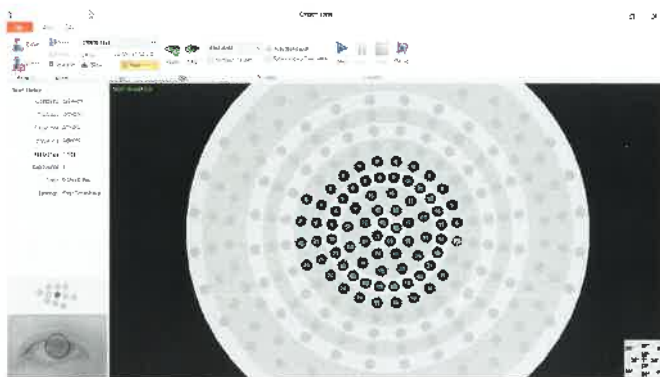# COMPREHENSIVE TOOL
FOR PERIMETRY ANALYSIS

M700 Automated PERIMETER offers practitioners an effective tool for assessing central and peripheral vision. Visual field test is now more simple, reliable and accurate to detect eye diseases with optimum comfort for patient.
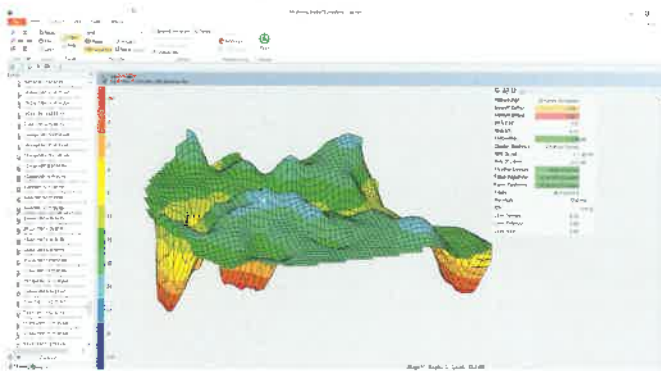

OUTSTANDING
SCREENING FUNCTIONS

- Full field coverage to 160° allowing complete peripheral detection

- Comprehensive tests:
  - Binocular Driving test
  - Glaucoma detection test
  - Flicker Test
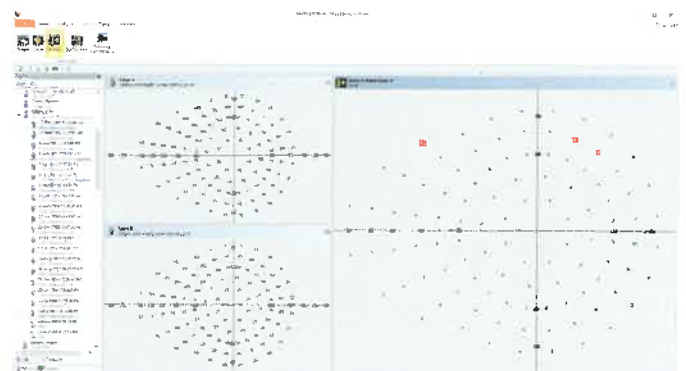 - Central and Peripheral test

UNIQUE FEATURES FOR PATIENT AND USER

- Modern and full-size bowl to overcome claustrophobic feeling for best comfort
- Perfect adaptive technology to add customized points on suspected area instantly
- Simple menus operating under Windows interface
- Advanced system analysis.

VALUABLE TOOL TO FACILITATE COMMUNICATION

- Easy to understand graphic representations to enhance your expertise
- Flexibility to design your own reports' report
- Perfect tool to monitor patient's progression
- Possibility to set several viewers to ease your reporting

EFFICIENCY AND RELIABILITY

- DICOM compatible and connectivity to Electronic Management Record (EMR)
- Easy to use and update software
- Able to be used by office staff
- Robust simulator with minimal maintenance requirement

SPECIFICATIONS

TEST FIELDS	Number of points
Binocular 30°/40°	21-128 Points
Binocular Driving 80°	119 Points
Central 22A 22°	45 to 96 Points
Central 30°	100 Points
Driving Test 50°/80°	103 Points
Flicker 15°/22°	69 Points
Full 50°	164 Points
Glaucoma 22°/50°	104 Points
Macula 10°	49 Points
Neurological 50°	164 Points
Peripheral 30° to 50°	73 Points
Flash Scan 22°/30°	40 Points
Spatially Adaptive 50°	39 to 168 Points
CV% 100 Points 60°	100 Points
Central 22 22°	50 Points

M700

SPECIFICATIONS

STIMULUS SOURCE	Rear Projection Light Emitting Diode
STIMULUS COLOUR	Pale Green 565nm Half Bandwidth 28nm Red 626nm (Optional)
STIMULUS SIZE	Goldmann Size III (0.43°) Model CR Red (0.72°)(Optional)
STIMULUS INTENSITY	16x3dB Levels 0db (Max Brightness) to 45dB (Min Brightness) +/-1dB
STIMULUS DURATION	Adjustable: 0.1 to 9.9 sec. (nom. 0.2 sec)

M700 unit dimensions	24.6" x 12.2" x 28" (inch)
M700 unit weight	26.5 Lbs
Unit power	100-240 VAC 50-60Hz 0.25 – 0.15A

SPECIFICATIONS

PATIENT RESPONSE TIME	Adaptive to Patient Speed Operator Selection of Normal or Slow Ranges Adjustable: 0.1 to 9.9 sec (nom. 1.1 sec)
MINIMUM INTER-STIMULUS DELAY	Adjustable 0.1 to 9.9 sec (nom. 0.4 sec)
TEST LENS DIAMETER	38mm
FIXATION METHOD	Automatic Iris Tracking During Test with Relaxed Tolerance. Heijl-Krakau Blind Spot Method. Visual and Audible Warning of Fixation Errors. Video Fixation Monitoring
PC MIN REQUIREMENTS	Compliant to IEC 60950 and Powered via Medical Isolation Transformer. Processor 1GHz, 2 GB Ram, 80GB HD, 1 USB port, Windows 7, Windows 8. DirectX9 Compatible Graphics Card

Shipping dimensions (inch)	28" x 20.5 " x 33.5 " (Inch)
Shipping weight (lbs)	50 Lbs

According Directive
93/42 EEC
ISO 13485
Certified Quality System

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Essilor Instruments USA
8600 W. Catalpa Avenue, Suite 703
Chicago, IL 60656 – USA
Tel: 855.393.4647
Email: info@essilorinstrumentsusa.com
www.essilorinstrumentsusa.com

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Your Contact