



BOOST YOUR CUSTOMER EXPERIENCE IN STORE



WAM 800

EYE PHYSIOLOGY AUTOMATIC
SCREENING SOLUTION



**ESSILOR
INSTRUMENTS**

WAM 800

FULLY AUTOMATIC SOLUTION FOR COMPLETE EYE PHYSIOLOGY ANALYSIS & VISION NEED ASSESSMENT.

OPTIMIZED COMPREHENSIVE EYE WELLNESS SCREENING

WAM™ 800 is a very intuitive, rapid and fully automatic Aberrometer that combines several technologies enabling the Eye Care Professional to provide a comprehensive screening of the eye in less than 2 minutes.

GLAUCOMA SCREENING & MONITORING



- Improved tonometry using fixation point & IOP value automatically corrected according to corneal thickness.
- Anterior chamber analysis with precise measurement of corneal irrido angles.

KERATOCONUS DETECTION

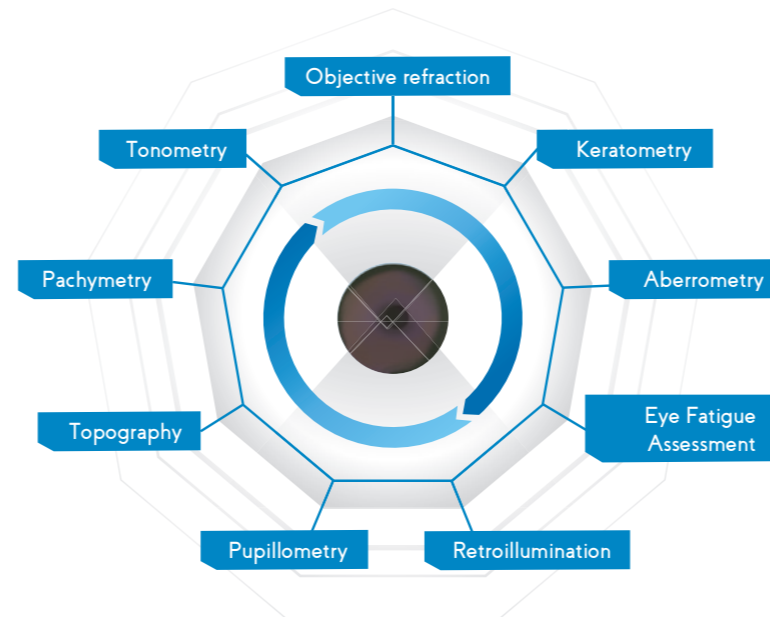


- Placido rings topography helps analyze over 100,000 points of cornea and provide Keratoconus probability index.
- 3D simulation of the cornea curvature combined with pupillometer help get valuable data for contact lens fitting.

CATARACT SCREENING



- Using infrared retro-illumination, the WAM™ 800 provides a detailed view of the crystal lens opacity which is helpful for identifying cataracts.

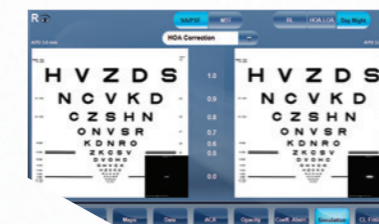


COMPLETE PATIENT VISION PERFORMANCE

Wearer's pupillary behaviors & spherical aberrations are responsible for overall loss of vision's quality such as poor night's vision. Thanks to the wave front technology, the WAM™ 800 provides acuity simulation to give a better understanding of wearer's vision.

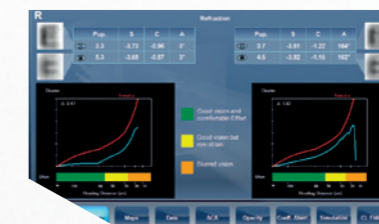
The Eye care Professional can show how much vision can be optimized and promote the benefits of night vision, anti-fatigue, progressive or personalized equipment.

PATIENT VISION SIMULATION

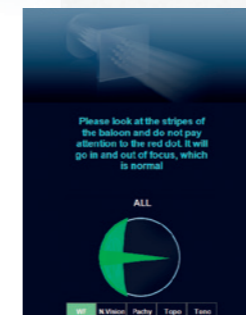


- Individual Autorefractometer & pupil measurement for mesopic, photopic conditions and near vision.
- Easy-to-use day/night simulation of patient's vision using Point Spread Function.

EYE STRAIN & NEAR VISION ASSESSMENT



- Real time evaluation of the patient's eye fatigue when focusing on near by objects.
- Automatic display of the eye fatigue by distances in centimeters.



EFFICIENCY IN OPTICAL ENVIRONMENTS

- Intuitive user interface with quick access to pre-defined wearer protocols.
- Textual & graphical display to guide operator through the screening.

SPECIFICATIONS

AR & POWER MAPPING (WAVEFRONT)



- Sphere: -20.00D ~ +20.00D
- Cylinder: 0D to + 8D
- Axis: 0° ~ 180°
- Minimum measurable pupil diameter: \varnothing 2 mm
- Number of measuring points: Up to 1500 points
- Acquisition time: 0.2 sec
- Method: Shack-Hartmann

PACHYMETRY, IC ANGLE AND PUPILLOMETRY



- Pachymeter Range – Resolution: 150 – 1300 μ m (+/- 1 micron)
- IC angle range/IC resolution: 0° – 60°/0.1°
- Pupil Illumination: Blue light 455 nm
- Method: Scheimpflug

CORNEAL TOPOGRAPHY

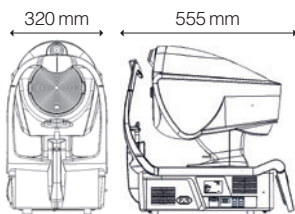


- Number of rings: 24
- Number of measuring points: 6,144 points
- Number of analysed points: More than 100,000 points
- Covered corneal area at 43D (\varnothing): From 0.33mm to more than 10mm
- Diopters measured field: From 1 to 100
- Repeatability: 0.02 D
- Method: Placido rings

TONOMETRY (WITH FIXATION POINT)

- Measurement Range: 1 mmHg to 50 mmHg

SYSTEM



- Screen: 10.1" Multitouch screen
- Dimensions and weight: 320 (W) x 555 (D) mm – 27 Kg
- Power-supply: 100 – 240 V AC, 50/60 Hz
- Integrated printer: Yes
- External output terminal: RS232/USB/VGA/LAN
- Operating system: windows 10

As improvements are made, these specifications and pictures are not contractually binding and may be changed without prior notice.
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