



ENHANCE CUSTOMER EXPERIENCE



**WAM™800**

FULLY AUTOMATED ANTERIOR  
SEGMENT SCREENING SOLUTION





# WAM™ 800

## FULLY AUTOMATED ANTERIOR SEGMENT SCREENING SOLUTION

### COMPREHENSIVE ANTERIOR SEGMENT SCREENING

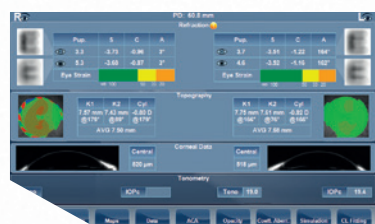
The WAM™ 800 is a rapid, fully automated aberrometer, combined with other imaging technologies to enable Eye Care Professionals to efficiently gather key information about the anterior segment in less than two minutes.

### INTRAOCULAR PRESSURE MEASUREMENT AS ONE OF THE RISK FACTORS OF GLAUCOMA



- Improved non-contact tonometry using fixation point.
- Anterior chamber analysis with precise measurement of corneal irido angles.

### KERATOCONUS DETECTION

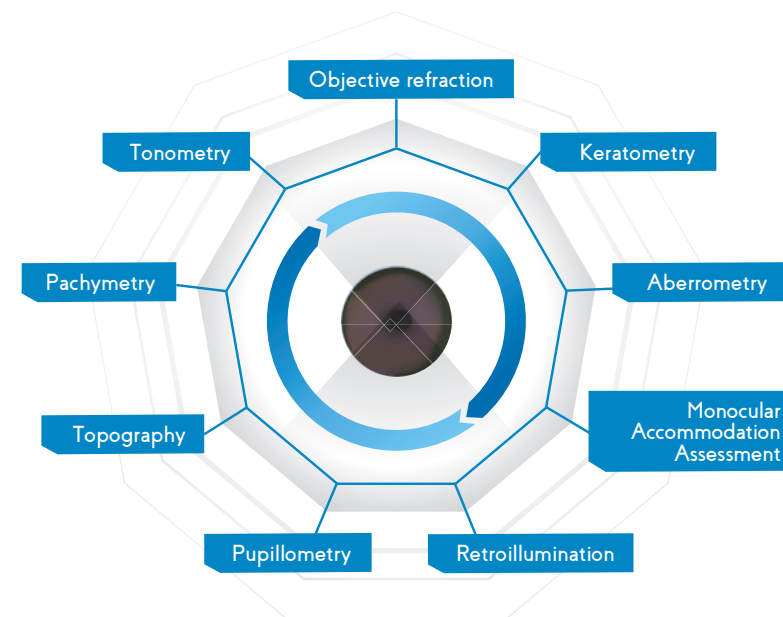


- Placido rings topography helps analyze over 100,000 points of cornea and provide Keratoconus probability index.
- 3D simulation of the cornea curvature combined with pupillometer help get valuable data for contact lens fitting.

### CATARACT SCREENING



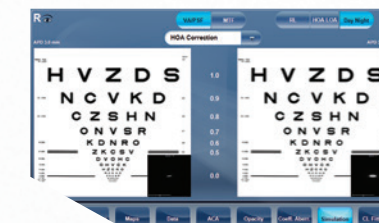
- Using infrared retro-illumination, the WAM™ 800 provides a detailed analysis of the crystalline lens opacity.



### PATIENT'S OBJECTIVE VISION EVALUATION

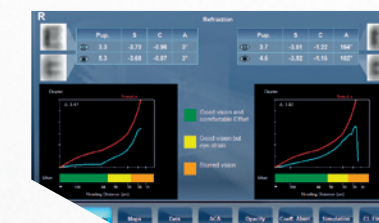
Wearer's pupillary behaviors & ocular aberrations are mainly responsible for overall decrease of vision quality under different light conditions. Thanks to the wave front technology, the WAM™ 800 provides visual acuity simulations allowing a better understanding of patient's vision.

### 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.

### MONOCULAR ACCOMMODATION ASSESSMENT



- Real time evaluation of the patient's eye fatigue when focusing on near by objects.
- Automatic display of the accommodative effort according to reading/working distance (cm).

### 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: -20.00 D ~ +20.00 D
- Cylinder: 0 D to + 8 D
- Axis: 0° ~ 180°
- Minimum measurable pupil diameter:  $\varnothing$  2 mm
- Number of measuring points: up to 1700 points for an 8 mm pupil
- Acquisition time: 0.2 sec
- Method: Shack-Hartmann

## PACHYMETRY, IC ANGLE AND PUPILLOMETRY



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

## CORNEAL TOPOGRAPHY

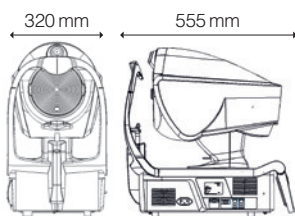


- Number of rings: 24
- Number of measuring points: 6,144 points
- Number of analysed points: more than 100,000 points
- Covered corneal area at 43D ( $\varnothing$ ): from 0.33 mm to more than 10 mm
- Diopters measured field: from 1 to 100
- Repeatability: 0.02 D
- Method: Placido rings

## 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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