

Wave analyzer



RAPID. AUTOMATIC.
FEATURE-RICH.



WAVE ANALYZERS

WAVEFRONT ABERROMETERS

Optometry



RAPID. AUTOMATIC. FEATURE-RICH.

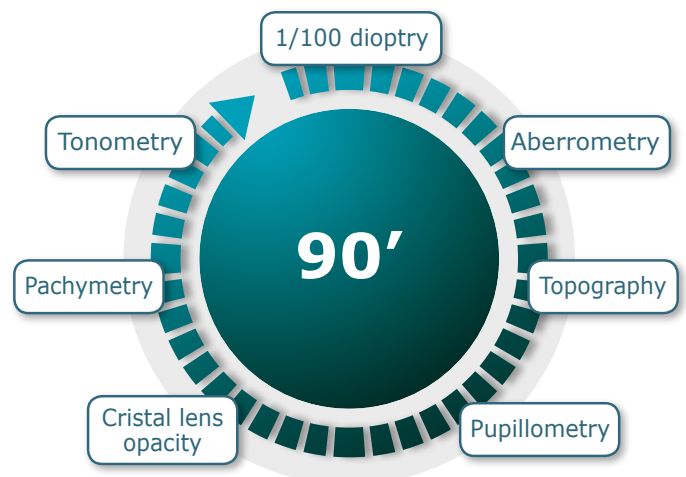
The **Wave analyzer** is a very intuitive, rapid and fully automatic aberrometer. It provides 1/100 dioptre refraction and lots of detailed measurements related to corneal topography, Scheimflug-based pachymetry and tonometry. Connectable, it facilitates easy results sharing and data transfer.

FAST & FULL AUTOMATIC MEASUREMENT PROCESS

- All measures are automatically performed by the device once the chin rest level is adjusted.
- Intuitive navigation and measurement cycle progression on the large touch screen

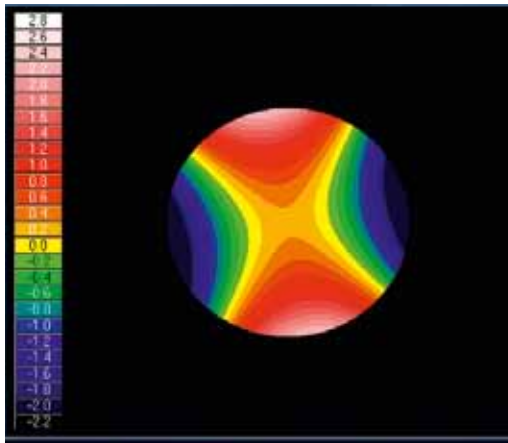


- Wave analyzer cornea 700 performs 4 measurements in less than 1 minute.
- Wave analyzer medica 700 performs 7 measurements in 90 seconds.



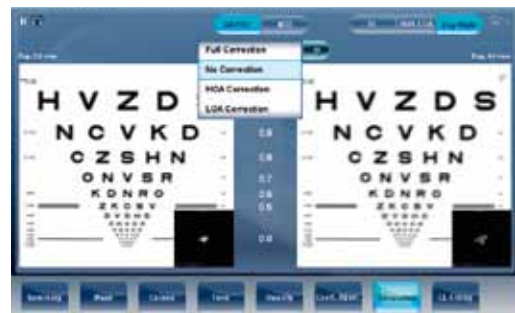


Built on wavefront and Shack Hartmann technologies.

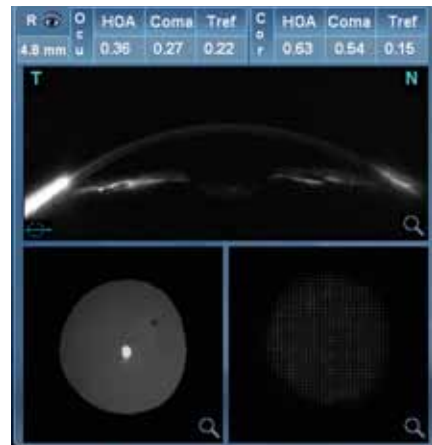


- 100 000 points analysed,
- 3D simulation of the corneal curvature,
- Pupil diameter according to photopic/scotopic.

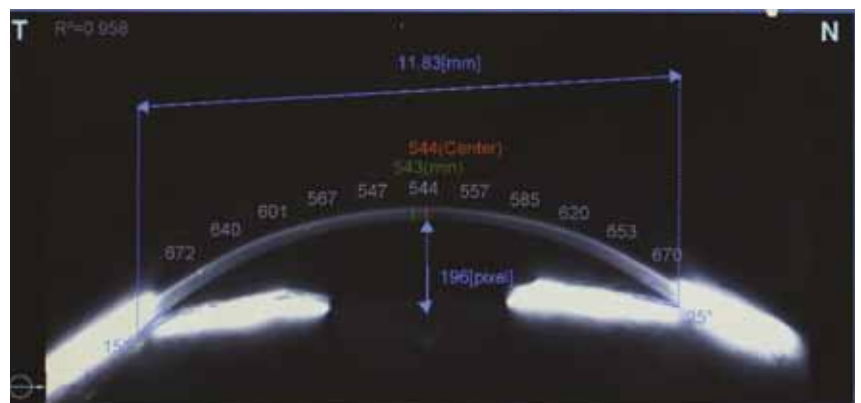
Non contact tonometry with comprehensive image of the anterior segment.

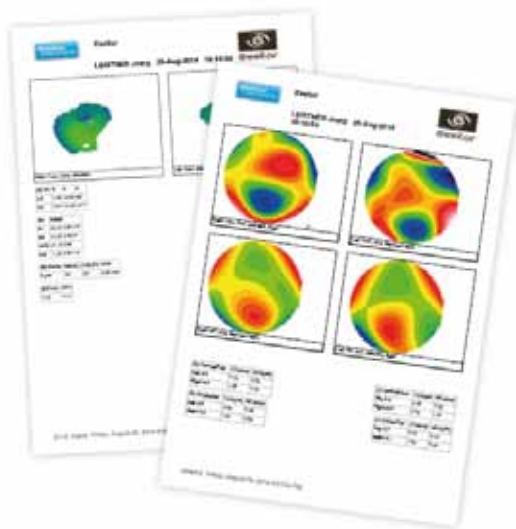


allowing simulation of the quality of vision.



Cristalens opacity check and cataract screening.





EASY DATA SHARING

- Clear and customizable result reports.
- XML-based technology for easy data and image transfer.

AR & power mapping (Wavefront)		Corneal topography	
Sphere	-20.00D ~ +20.00D	Number of rings	24
Cylinder	0D to + 8D	Number of measuring points	6 144
Axis	0° ~ 180°	Number of analysed points	More than 100 000
Minimum measurable pupil diameter	ø 2 mm	Covered corneal area at 43D (ø)	From 0.33mm to more than 10mm
Number of measuring points	1500 points	Diopters measured field	From 1 to 100
Acquisition time	0.2 sec	Repeatability	0.02 D
Method	Shack-Hartmann	Method	Placido rings
Pachymetry ⁽¹⁾ , IC angle and pupillometry		Tonometry ⁽¹⁾	
Pachymeter Range - Resolution	150-1300 µm (+/- 1 micron)	Measurement Range	1 mmHg to 50 mmHg
IC angle range / IC resolution	0°-60° / 0.1°		
Pupil Illumination	Blue light 455 nm		
Method	Scheimpflug		
Integrated printer	•	Screen	10.1" Multitouch screen
External output terminal	RS232 / USB / VGA / LAN	Dimensions and weight	320 (W) x 555 (D) mm - 27 Kg
CE Conformity marking		Power-supply	100 - 240 V AC, 50/60 Hz

(1)Tonometry and pachymetry available on Wave analyzer Medica 700.

Keratometry

Refraction

Aberrometry

Pupillometry

Topography

Tonometry

Pachymetry

Wave analyzer
medica 700



Wave analyzer
cornea 700



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

Your local distributor :