### AR & power mapping (Wavefront)

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

### Corneal topography

- **Number of rings**: 24
- **Number of measuring points**: 6144
- **Number of analysed points**: More than 100,000
- **Covered corneal area at 43D (ø)**: From 0.33 mm to more than 10 mm
- **Dioptrics measured field**: From 1 to 100
- **Repeatability**: 0.02 D
- **Method**: Placido rings

### Pachymetry (1), IC angle and pupillometry

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

### Tonometry (1)

- **Measurement Range**: 1 mmHg to 50 mmHg
- **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

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

### EASY DATA SHARING

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

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### Conformity marking

- **Power-supply**: 100 - 240 V AC, 50/60 Hz

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**Your local distributor:**

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Fax: 33 (0)1 72 94 70 27
www.essilor-instruments.com
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.

1/100 refraction
Built on wavefront and Shack Hartmann technologies.
Refraction of day and night vision.

Low and high order aberration allowing simulation of the quality of vision.

Topography and pupillometry for Contact lens fitting and Keratoconus detection:
- 100 000 points analysed,
- 3D simulation of the corneal curvature,
- Pupil diameter according to photopic/scotopic.

Scheimflug-based Pachymetry and tonometry
Non contact tonometry with comprehensive image of the anterior segment.
Secured glaucoma screening especially with IOP value automatically corrected according to corneal thickness and irido corneal angle.

Retroluminescence
Cristalens opacity check and cataract screening.