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OPHTHALMIC - OPTOMETRIST
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MetaMata Medika



WAM 700⁺

WAVE ANALYZER MEDICA

AUTOMATIC SCREENING SOLUTION
TO STREAMLINE YOUR PRACTICE

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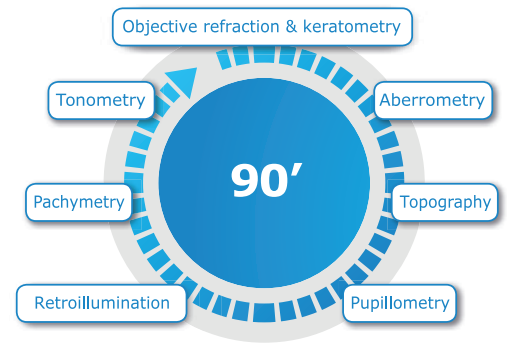


WAM 700⁺

WAVE ANALYZER MEDICA

FULLY AUTOMATIC SOLUTION FOR COMPLETE ANTERIOR CHAMBER ANALYSIS & VISION NEED ASSESSMENT

The Wave Analyzer Medica 700 is a very intuitive, rapid and fully automatic solution combining 7 functions to simplify screening with patient eye wellness assessment & provide detailed measurements for vision solution recommendation.



SPECIFICATIONS

OPTIMIZED COMPREHENSIVE EYE WELLNESS SCREENING



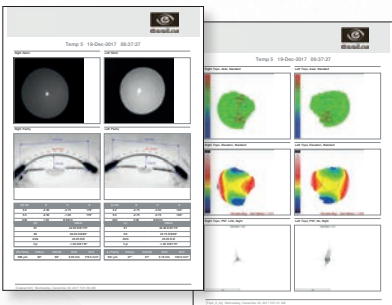
- Glaucoma screening with improved tonometry using fixation point & IOP value automatically corrected according to corneal thickness.
- Cristal lens opacity check for cataract screening.
- Keratoconus detection with Topography analyzing over 100 000 points on cornea.
- New measurement reliability indicators for secured screening.

COMPLETE PATIENT'S VISION SIMULATION



- Automated correlation between pupil diameter & objective refraction in different lighting conditions for precise need assessment.
- Easy-to-rely day/night simulation of patient's vision with/without glasses to highlight myopic effect at night.
- Comprehensive summary of high order aberrations coefficients to highlight glare effect at night.

AN ASSET TO STREAMLINE PRACTICE WORKFLOW



- Intuitive navigation and exam workflow with 10,1' touchscreen.
- Clear and customizable by the practitioner Eye Wellness results reports.
- Easy XML based data & images sharing.

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

Number of analysed points: More than 100 000

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

CE Conformity marking

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



ESSILOR INSTRUMENTS

81 boulevard Jean-Baptiste Oudry
94000 Créteil
France
Tél. 33(0)1 49 80 62 80
www.essilor-instruments.com

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PT. Meta Mata Medika www.metamedika.com
MASPION PLAZA, Jl. Gunung Sahari Raya Kav.18, 3rd Floor Unit 3F
Jakarta Utara, INDONESIA 14420
Tel. + 62 21 6470 1108, Fax. +62 21 6470 1114 • Email. info@metamedika.com