



L80-ESSENTIAL

ARK



VISIONIX
The Vision of the Future

L80-ESSENTIAL ARK



The "Wavefront" technology allows more precise refractometry ; thus setting up a better starting point for refraction.

FEATURES AND BENEFITS

Automatic functions

- High precision refractometry
- Central and peripheral keratometry
- Topography up to 100 000 points
- High density aberrometry up to 1 500 points
- Measurement through pupils of small diameters (2 mm)
- Measurement of potential accommodation
- Simulation of visual acuity.

Aberrometry applications

- All useful data for refractive surgery
- Evaluation of visual acuity in night vision
- Evaluation of accommodation*
- Evaluation of "guided" surgery.

General benefits

- Fully automatic 3-D and R/L eye alignments
- 4 types of automatic simultaneous measurements
- Operator independent measurements
- High reproducibility of measurements.

Ultra efficient 3-D alignment

Entirely automatic alignment and measurement allowing

- Higher reliability of measurements
- Significant time saving
- Great comfort of use.

High resolution Shack-Hartmann technology

- Higher precision of measurements
- Unequalled reliability of measurements
- Complementary analysis functions.

Corneal Topography applications

- Higher precision in keratometry
- Automatic detection of keratocons
- Precise tool for contact lenses fitting & prescription (Contact Lens database).

Corneal Topography & Aberrometry associated together More comprehensive diagnostics of visual acuity

- Pre and post follow-up in corneal surgery
- Separation of refractive and corneal aberration problems
- Acuity simulations according to pupil diameters.



GENERAL DATA

Height	
Width	390 mm (11,8 in.)
Depth	300 mm (15,35 in.)
Weight	25 kg (55 lbs)
Power supply	100/120, 220/240 50/60 Hz
Standards	MDD, CE

TABLE OF FEATURES / VERSIONS AVAILABLE

L80	REF 3011-0000-02	ARK	WF	TOPO
L79	REF 3011-0000-22	ARK		TOPO
L78	REF3011-0000-32	ARK		

TECHNICAL SPECIFICATIONS

AR & POWER MAPPING (WAVEFRONT)

Spherical power range	• -20D to + 20D
Cylinder power range	• 0D to + 8D
Axis	• 0 to 180°
Measuring area	• Min. ø 2.0 mm - Max.7.0 mm (3
Number of measuring points	• 1500 points
Acquisition time	• 0.2 sec
Method	• Shack-Hartmann

CORNEAL TOPOGRAPHY

Number of rings	• 24
Number of measuring points	• 6 144
Number of analysed points	• More than 100 000
Diameter of covered corneal area	• From 0.33 mm to more than 10
Measured field	• From 1 to 100 D
Repeatability	• 0.02 D
Method	• Placido rings



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