



VISIONIX
The Vision of the Future

L80 Wave +

L80 ARK TOPO / WAVE +

The first 4 in 1 device

REF 3011-0000-00

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

Automatic functions

- High precision refractometry
- Central and peripheral keratometry
- Topography up to 100 000 points
- High density aberrometry up to 1500 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.

Wave + 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 comfortable use.

High resolution Shack-Hartmann technology

Used for the first time in refraction procedures, this technology brings :

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

Corneal Topography applications :

- Higher precision in keratometry
- Automatic detection of keratocones
- 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.



Technical specifications

General

Dimensions	W - 11.8 in D - 15.35 in
Weight	55 lbs
Alignment	XYZ automatic
Display	Touch Screen (640 x 480) Colour LCD TFT Screen 10.4"
Observation area	ø 14 mm
Printer	Built-in BW - External colour available
Operating system	Windows XP
Footprint	390mm (L) x 300 mm (W)
Weight	25 kg
Supply voltage	100/120, 220/240 V AC, 50/60 Hz
Regulations	MDD, CE

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 areas)
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 at 43D	From 0.33 mm to more than 10 mm
Diopters measured field	From 1 to 100
Repeatability	0.02 D
Method	Placido rings