

## L79

### Three devices in one

REF 3011-0000-20

The high resolution Shack-Hartmann technology gives an exceptional measurement accuracy, an unequalled reliability, and additional features for even sharper diagnosis.

#### Features

- > Auto-tracking
- > Auto-focusing
- > Right / left eye movement
- > Fully automated
- > Based on Wavefront technology

#### Shack-Hartmann sensor

The Shack-Hartmann sensor analyses distortions of a Wavefront at the eye exit after crossing optics.

The large number of measuring points :

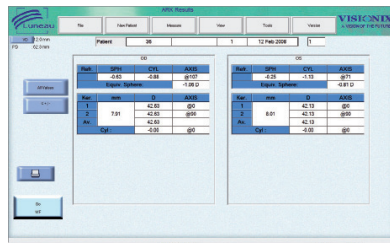
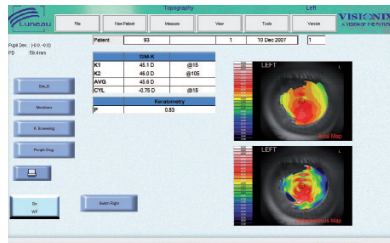
- A global view of eye refraction aberrations
- A measure of small pupil size (min. 2 mm)

#### Automatism

3D Alignment, R/L eye movement, tracking, and focusing are all automated functions and independent from the operator. Reliability, speed, and ease of use lead to a more satisfied patient.

#### Evolution

L79 ARK belongs to the exclusive range of upgradable refraction devices. This feature may be added afterwards.



#### Technical specifications

##### General

Dimensions	W - 11.8 in D 15.35 in
Weight	55 lbs
Working distance	91 mm
Alignment	XYZ automated
Screen	10.4" LCD TFT colour screen, touch
Observed area	ø 14 mm
Printer	Internal or external
Power	100/120, 220/240 VAC, 50/60 Hz
Consumption	400 VA
Standards	MDD, CE

##### Refraction

Sphere	-20 D to + 20 D
Cylinder	0 D to + 8 D
Axis	0 to 180°
Measuring area	Min. ø 2.0 mm - Max. 7.0 mm (3 areas)
Number of measuring points	1 500 points
Mapping method	Shack-Hartmann

##### Corneal topography

Number of rings	24
Number of measurement points	6144
Number of analysed points	More than 100 000
Diameter of measuring area	0.33 mm (in the centre) at 10 mm
Accuracy	0.02 D, ie. 0.01 mm in corneal ray
Acquisition time	0.2 sec
Method	Placido rings



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ARK Topograph

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