

VX 90

Diagnostic /ARK
With Retro Illumination

VISIONIX
INNOVATION TO UNLOCK YOUR POTENTIAL



Simplified measurement
backed by **VISIONIX** precision

MADE IN FRANCE

- ◆ Auto Fog System
- ◆ Tiltable LCD
- ◆ Alignment Indicators
- ◆ Thermal Printer with Auto Cutter
- ◆ Motorised Chinrest & Joy Stick
- ◆ One-Touch Lock
- ◆ WIFI connectivity and EMR integration

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The VX90 is an ophthalmic diagnostic device with refraction and keratometry functionalities as well as accurate of cataracts. A moving fixation target with auto fogging allows the patient to fully disaccommodate in order to get the patient refraction in any conditions.



Measuring objective refraction



Measuring keratometry



Peripheral keratometry



Lens opacity detection

Technical Specifications

Special Features and Benefits

The VX90 is an ophthalmic diagnostic/ARK device, autorefractometer with keratometer enables the user to :

- Measure the refraction of the eye by indicating sphere, cylinder and axis.
- Measure of central and peripheral keratometry.
- Measure the pupil diameter.
- Be aware of the presence of cataracts by using backlighting for internal opacity detection.

General	
Target Fixation	Auto fog system
Measurement data display	7" TFT colour LCD with touch screen (800x480)
PD Measurement	85 mm measuring range max, 1 mm display unit
Measurement data recording	Built in thermal printer
External output terminal	RS232/WIFI
Measurable range	
Power Range	-20 D to +20 D
Power Accuracy	+/- 0.25 D
Astigmatism range	0 to 10D
Astigmatism accuracy	0.25 D
Axis range	0° to 180°
Axis step	1°
Axis accuracy	+/- 5°
Pupil diameter measured	2,5 mm minimum
Keratometry specifications	
Corneal radius range	5 mm to 10 mm
Corneal refractory power	33D to 67D (n=1.3375)
Power repeatability	0.03 mm
Corneal astigmatic power	0 to 12 D
Astigmatism accuracy	0.02D
Axis range	0° to 180°
Axis step	1°
Axis accuracy	+/- 5°
Measurement diameter	2 mm to 12 mm
Peripheral keratometry	Nasal, temporal, up, down

* Specifications are subject to change without prior notice.

Dimensions	
Width	288 mm (11.3 in)
Depth	500 mm (19.7 in)
Height	480 mm (18.9 in)
Weight	14 kg (30 lbs.)
Voltage	110V-240V AC, 50/60 Hz, 50 VA
Standards	CE0120 CLASSE 1M

Compliance with Medical Device Directive 93/42/EC



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