



VX 90

Diagnostic

ARK

SIMPLIFIED MEASUREMENT,
PRECISE RESULTS

ARK WITH AUTO FOG SYSTEM

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 desaccommodate in order to get the patient refraction in any conditions.



FEATURES AND BENEFITS

The VX90 is an ophthalmic diagnostic device, automatic autorefractometer and keratometer enables the user to:

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

Measuring the keratometry



Backlighting for internal opacity detection



Measuring the objective refraction

Objective refraction of the eye providing sphere, cylinder and axis.



And :

- > Specifically move the fixation target for peripheral keratometry (4)
- > Tilttable LCD
- > Alignment Indicators
- > Printer: Easy Load Paper function and automatic cutting
- > Motorised Chinrest
- > One-Touch Lock
- > WIFI connectivity

Peripheral keratometry





VX90

Diagnostic

Height	480 mm (18.9 in)
Width	288 mm (11.3 in)
Depth	500 mm (19.7 in)
Weight	14 kg (30 lbs.)
Standard	CE0120 classe 1m

TECHNICAL SPECIFICATIONS

REF.	8290-0001-00
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
Power source, power consumption	110V-240V AC, 50/60 Hz, 50 VA
Standards	Compliance with Medical Device Directive 93/42/EC
MEASUREMENT SPECIFICATION	
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