ARGOS

KEY SUMMARY

Technology	Optical Biometer based on 1 micron Swept Source Optical Coherence Tomography
	Video Keratometry with IR LED ring illumination
Parameters	Axial Length, Corneal Thickness, Anterior Chamber Depth, Lens Thickness, Pupil Size, White-to-White,
	K-values (K1, K2), Toric Angle
IOL Formulas	Preloaded with standard formulas
IOL Library	Manufacturer's data uploadable from ULIB (User Group for Laser Interference Biometry) library source
Peripherals	Desktop PC (refer to requirements on next page)
	19 "display (recommended)
	Printer
	Daily calibration fixture

SPECIFICATIONS

TECHNOLOGIES

Function	Measurement Method	Technology	Speed
Biometry	Coherent optical	Swept source	0.6 second acquisition time
	interferometry/tomography	Lateral beam scanning	for 1 set of measurement
Keratometry	Ring LED illumination	Infrared LED	3 second output time

MEASUREMENT

Parameter	Abbreviation	Range	Accuracy (SD)
Corneal Thickness	CCT	300 - 800 µm	10 µm
Anterior Chamber Depth	ACD	1.5 - 5.0 mm	30 µm
Lens Thickness	LT	0.5 - 6.5 mm	30 µm
Axial Length	AL	15 - 30 mm	30 µm
K-reading	K_1, K_2	5.5 - 10.0 mm	±0.25 D (40 µm)
White-to-white	WTW	7 - 15 mm	0.2 mm
Pupil Size	PS	2 - 13 mm	0.2 mm
Toric Angle	t	0° - 180°	5°
Retinal Thickness	RT	0.2 mm	fixed

UNIT

	Value	Notes
Dimensions	334 (W) x 456 (D) x 488 (H) mm	
Weight	21kg (not including cables)	
Power Supply for Device	24 V DC	
Power Supply for AC Adapter	100 - 240 V AC 50/60 Hz	EN60601-1 Compliant
PC	Intel Core i5 or greater	
	4 GB RAM memory	
	500 GB storage	
	Windows 7 Professional	
Monitor	19" LCD	Touch panel optional