

ARGOS® Biometer with Image Guidance by Alcon®

Technical Specifications – ARGOS® Biometer v1.1 and Alcon Vision Planner v1.6

The ARGOS® Biometer with Image Guidance by Alcon® is a swept-source based biometer that provides the biometry, keratometry and high-resolution image of the eye prior to cataract surgery and aids in the selection of the appropriate IOL. It also includes a PC with Alcon Vision Planner Software.¹

It can share information with¹:

- VERION™ Digital Marker M (with microscope)
- VERION™ Digital Marker L (with LenSx®)
- ORA SYSTEM® powered by AnalyzOR™
- SMARTCataract Enterprise Solutions

The ARGOS® Biometer has 3 components^{1,2}:

- **ARGOS® Biometer:** A diagnostic device used to take an image and measurements of the patient's eye
- **Alcon Vision Planner:** A PC that attaches to the motorized Elevation Table
- **ARGOS® Biometer Elevation Table:** A motorized table on which the ARGOS® Biometer and Vision Planner are set up. User and patient sit opposite one another while the image and measurements of the eye are taken



System Specifications

SPECIFICATION	ARGOS® BIOMETER ¹
General Information	
Product / model name	ARGOS® / ARGOS® v1.5
Software version	v1.1
Vision planner version	v1.6
Electrical Characteristics	
Power consumption	180-250 VA
Line voltage	For device: 24 VDC For AC adapter (primary side): 100-240 VAC
Frequency	50 / 60 Hz
Mechanical Characteristics	
Equipment dimensions	310 x 485 x 510 mm / 12.20 x 19.09 x 20.09"
Room dimensions (minimum suggested)	2m x 2m / 79" x 79"
Floor space diagram	
Weight	~ 21 kg / ~ 46.3 lbs (excluding AC adapter and cable)
Expected system lifetime	8 years

SPECIFICATION	ARGOS® BIOMETER ¹
OPERATION CONDITIONS	
Usage	
Temperature	+15°C (59°F) to +35°C (95°F)
Humidity	30% to 70%
Air pressure	800 hPa to 1060 hPa
Storage	
Temperature	-10°C (14°F) to +55°C (131°F)
Humidity	10% to 95%
Air pressure	700 hPa to 1060 hPa
Shipping	
Temperature	-40°C (-40°F) to +70°C (158°F)
Humidity	10% to 95%
Air pressure	500 hPa to 1060 hPa
Networking/Connectivity Requirements	
<ul style="list-style-type: none"> • DICOM compatible • Internal Ethernet LAN connection • SSL/TLS 1.x Internet connection (Port 443) • DNS Server is required for AnalyzOR™ registration (ORA SYSTEM® requirement) • > 100Mbit Bandwidth for optimal performance • FTP • HTTPS • Networking ports: <ul style="list-style-type: none"> - 55121 (open client usage) - 55123 (open client usage) - 20/21 (FTP) 	
<p>Shared network folder*: Exchange of information between devices is done via a shared data folder.³ This folder can be located anywhere on the clinic network, as long as it is accessible to all devices. Amount of storage space required depends on number of procedures but should be ≥ 50 GB.</p> <ul style="list-style-type: none"> • VPN connections are not recommended because of high latency. Ensure minimum upload/download speeds of 100Mbps (< 10 msec for reasonable performance; 1 msec for optimal performance). • Network does not require third-party software to access the device. (Third-party software cannot be installed on the ARGOS® Biometer computer.) Local IT personnel available for the installation and ongoing support of the networking infrastructure. <p>*Required for networked data sharing with VERION™ Digital Marker L (with LenSx®), VERION™ Digital Marker M (with microscope) and/or the ORA SYSTEM® with VerifEye™ Lynk.</p>	

OPTIONAL REMOTE PLANNING SOFTWARE: OPENCLIENT, HARDWARE, AND NETWORKING REQUIREMENTS¹

Hardware Requirements

- Intel processor x86 platform – minimum i5 @ 2GHz
- 4 GB RAM
- 1 GB available space
- Resolution 1366 x 768 pixels, 16:9 format
- IEC 60950-1
- Network interface to connect to the Vision Planner Master

Note: Apple operating systems and Windows tablets are not compatible.

Software Requirements

Operating system: Windows 7 with Service Pack 1 or Windows 8/10 (32 / 64-bit)

PC Prerequisites:

- Microsoft .NET Framework 4.5.2 (or later) installed (not required for Windows 8/10 or higher)
- Microsoft Visual C++ 2012 Redistributable (x86) installed
- Acrobat Reader 10/DC
- Administrator rights for installing and using the Vision Planner software

Manufacturer:
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WATCHOUT: THIS IS A GLOBAL TEMPLATE. IN ACCORDANCE WITH THE ALCON GLOBAL POLICY ON PROFESSIONAL PRACTICES (THE LENS) AND APPLICABLE LAWS, REGULATIONS, LOCAL INDUSTRY CODES AND LOCAL POLICIES (E.G., IMPORTANT PRODUCT INFORMATION (IPI)), THIS DOCUMENT MUST BE REVIEWED AND APPROVED VIA A LOCAL MATERIAL APPROVAL PROCESS (LMAP) BEFORE IT MAY BE USED IN PROMOTIONAL ACTIVITIES.

References: 1. ARGOS[®] Biometer User Manual, v1.1. 2021. 2. Biometer Table 1628 Installation and User Manual. 2020. 3. VERION™ Customer Product Security Guide. January 2021.