



Guardian Angel™ 1000 Specifications

Aulisa GA1000 Digital Vital Sign Monitoring System

Blood Oxygen Saturation	1% to 100%
Display Range (SpO ₂)	
Pulse Rate Display Range	30 to 290 bpm
Accuracy	
Blood Oxygen Saturation (%SpO ₂) (± 1 S.D.)	70-100% ± 3 digits
Pulse Rate	± 3%

Alarms

SpO₂ & Pulse Rate

Default SpO₂ Limit

Upper Limit	Off
Lower Limit	85%

Alarm Limit Range

Upper Limit	85-100%
Lower Limit	50-95%

Adjustment Step

Step Value	1% SpO ₂
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Default Pulse Rate Limit

Upper Limit	150 bpm
Lower Limit	50 bpm

Alarm Limit Range

Upper Limit	75-275 bpm
Lower Limit	30-110 bpm

Adjustment Step

Step Value	1 bpm
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Measurement Wavelengths and Output Power

Red	660 nanometers @ 1.8 mw nominal
Infrared	905 nanometers @ 2 mw nominal

Temperature

Operating	+ 5°C to + 40°C
Storage/ Transportation	- 25°C to + 70°C

Operating Altitude altitude ≤ 3000 m

Atmospheric Pressure	700 hPa to 1013 hPa
Humidity	
Operating	15% to 90%, non-condensing
Storage/Transportation	10% to 93% relative humidity, non-condensing

Sensor Module (Sensors Integrated)

Internal Power	
Battery	3.7 V battery
Operating Life	22 hours of continuous operation
Dimensions	
Without sensors	0.7" H x 1.3" W x 2.7" D 16 mm H x 32 mm W x 68 mm D
Weight	1 ounce 28 grams
Ingress Protection	IP22

Display Unit

Display	
Display panel	10.1" IPS Touch Panel
Power Requirements	
Mains	100-240 V AC 50-60 Hz
DC Input	5 V DC/AC adaptor
Internal Power	
Battery	3.7 V battery
Operating Life	2 hours of continuous operation
Dimensions	7.04" x 10.35" x 0.46" 179 mm x 263 mm x 11.8 mm
Weight	21.87oz 620 g
Wireless communication to Display Unit	
Range	10- meter spherical radius
Protocol	Bluetooth 4.0
Direction	Bi-direction
Data rate	Up to 100k Bps
Alarm Sound Pressure	≥60 dB
Ingress Protection	IP22

Classifications per IEC 60601- 1

Type of Protection	Class II, MOPP (on AC power) Internally powered (on battery power)
Degree of Protection	Type BF-Applied Part
Mode of Operation	Continuous