

# Midmark Diagnostics

## IQvitals™ System Specifications



Features					
Usage	Non-invasive, multi-parameter vital signs device				
Data	Quick, easy entry and viewing of all vital signs data in one location				
Windows® based platform	Flexible, easy to upgrade software for the life of the product				
Display	High resolution for optimal viewing and control. 7" VGA TFT LCD display with LED backlight and resistive touch screen				
Long Battery Life	Vital signs can be captured continuously and quickly without plugging in				
100-reading memory	Easy for recall, printing or download of patient data				
Multiple mounting options	Flexibility to meet different workflow needs; mobile cart, wall mount, table top mount, IV pole mount				
Connection	USB or serial connections standard				
Digital scale	Connects directly to the Fairbanks® TeleWeigh digital scale or select digital scales via IQmanager™ to capture weight automatically or manual entry				
Warranty	Two (2) Years for IQvitals™				
Safety Parameters					
Type of Protection (Electrical)	Class II				
Degree of Protection (Electrical)	Type BF				
Degree of Protection (Water)	IPX1. Protection against dripping water.				
Degree of Safety (Flammable Anesthetic Mixture)	Not suitable for use in the presence of a Flammable Anesthetic Mixture				
Disinfecting Method	Per the instructions in the Cleaning section of the Operation Manual				
Environmental Specifications					
Operating Temperature	32 to 104 °F (0 to 40 °C) (For Patient Temperature Measurement: 16 to 33 °C)	Storage Temperature	-4 to 140 °F (-20 to 60 °C)		
Operating Altitude	0 to 15,000 feet	Storage Altitude	0 to 40,000 feet		
Operating Humidity	15 to 95% non-condensing	Storage Humidity	15 to 95% non-condensing		
EMC Standard	Per IEC 60601-1-2 and FCC Part 15 (Emissions Class B)				
Physical Characteristics					
Weight	3.9 lbs (1.77 kg)	Dimensions	4 in. (W) x 10.5 in. (L) x 7 in (H), 10.16 cm x 17.78 cm x 26.67 cm		
Power (unit)	Simultaneously operates and charges device when AC power is plugged in; low power indicator; automatic shutdown on low power	Power (battery)	Battery: rechargeable 10.8 V lithium ion battery; 4 hours to fully charge, 3 hours for 95% charge; operates 8 hours on full charge		
Non-Invasive Blood Pressure		Temperature	Pulse Oximetry (SpO <sub>2</sub> ) Specifications		
Method	Oscillometric	Probe Type	Alaris® Turbo Temp®		
Cuff	Infant, Child, Small Adult, Adult, Adult Long, Large Adult, Large Adult Long, and Thigh	Measurement Scale	Fahrenheit(F), Celsius(C)		
		Measurement Type	Oral and Axillary		
Derived Parameters	Systolic, Diastolic, and Mean Arterial Pressure (MAP)	Measurement Range	Report Interval	1 second	
Measurement Range	Systolic: 30 to 250 mmHg, Mean: 20 to 230 mmHg, Diastolic: 10 to 210 mmHg		Oral: 95 to 106°F Axillary: 95 to 106°F	Measurement Range	SpO <sub>2</sub> : 20 to 100% PR: 30 to 240 BPM
Measurement Accuracy	Systolic: ±5mmHg, Mean: ±5mmHg, Diastolic: ±5mmHg	Measurement Accuracy	±0.1°C (±0.2°F) (probe)	Measurement Accuracy	SpO <sub>2</sub> : 70 to 100%: ±2%, PR: ±5%
Pulse Rate Accuracy	±5% or ±2 BPM, whichever is greater	Measurement Time (seconds)	Predictive Oral: 8-10 Axillary: 13-20		
Pulse Rate Range	30 to 240 BPM	Initial Cuff Pressure	User-selectable		