

Universal ECG Specifications

Hub Weight	280 - 300 grams (0.62 – 0.66 lb) depending on cable options
Hub Dimensions	85mm x 91mm x 20mm (3.3" x 3.6" x 0.8")
Patient Leads Length	1 meter (3.3 ft)
PC Connection Length	1-3 meter (3.3 – 9.8 ft), DB9 female connector
Patient Leads	6 Lead Cable (4 patient leads) 12 Lead Cable (10 patient leads)
Case Material	ABS Plastic
Electrode Connections	4 mm Banana plug with "tab" or "snap" connectors
Electrode Labeling	Abbreviations and colors to comply with either IEC or AAMI standards
Display and Operating Console	Dependent on PC (supplied by user)
Gain/Sensitivity	5, 10, 20 mm/mV
Input Range	±6mV
Acquisition sample rate	1000 samples per second (compressed to 500Hz with peak picking and averaging algorithm)
Heart Rate Range	20 bpm - 170 bpm
Frequency Response	0.05 to 175Hz ±3dB
Defibrillator Protection	Patient leads are isolated from system and operator, with 4kV protection
Common Mode Rejection	-60dB (minimum)
Safety Standards	Complies with AAMI EC11, EN60601-1, EN60601-1-2, and EN60601-2-25
Leads Off Indicators	Connection status for each lead is shown on Acquisition screen
Power Source	Can be powered by the PC Serial port control lines in most cases, depending on the PC being used. Can draw extra power if necessary from a PC PS/2 port
Supply Voltage	4 – 16V DC
Supply Current	<17mA DC
Permanent Filters	High Pass: 0.05Hz 1st order Low Pass: 170Hz 1st order Baseline Wander: Baseline reset by adaptive zeroing algorithm
Notch filter (Mains Noise Rejection)	50Hz 4th order Butterworth, 49.1Hz - 50.9Hz, 60Hz 4th order Butterworth, 59.1Hz - 60.9Hz
Low pass (Muscle Artifact Filter)	35Hz 4th order
Report Capabilities	User selectable Report formats
Environmental Conditions	Operating Temperature: 0 to 40° C (32 to 104° F) Storage Temperature: -20 to 70° C (-4 to 158° F) Humidity < 85% (non-condensing)