




Universal ECG™ Specifications

Hub Weight	250-335 grams (depending on cables)		
Hub Dimensions	85 mm x 91 mm x 20 mm		
Patient Leads Length	Limb Leads: 1 meter Chest Leads: 0.6 meter		
PC Connection Length	1.8 meters USB A type Connector (USB version)		
Patient Leads	12-Lead Cable (10 Patient Leads)		
Case Material	ABS Plastic		
Electrode Connection	4 mm Banana plug with “snap” or “tab” connectors		
Display & Operating Console	Dependent on PC (Supplied by user)		
Gain Sensitivity	5, 10, 20 mm/mV		
Speed	12.5, 25 and 50 mm/s		
Input Range	±6 mV		
Acquisition Sample Rate	1000 samples/sec. (Compressed to 500 Hz with peak picking and averaging algorithm)		
Heart Rate Range	20 – 170 bpm		
Frequency Response	0.05 – 175 Hz ±3dB		
Defibrillation 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, EN60601-2, EN60601-2-25		
Leads Off Indicators	Connection status for each lead is shown on Acquisition screen		
Power Source	PC, powered from USB interface		
Supply Voltage	4-16 V DC		
Supply Current	< 17 mA DC		
Permanent Filters	High Pass: 0.05 Hz 1 st order; Low Pass: 170 Hz 1 st order Baseline Wander: Baseline reset by adaptive zeroing algorithm		
Notch filter (Mains noise Rejection)	50 Hz 4 th order Butterworth, 49.1 Hz – 50.9 Hz, 60 Hz 4 th order Butterworth, 59.1 Hz – 60.9 Hz		
Low Pass (Muscle Artifact Filter)	35 Hz 4 th order		
Report Capabilities	User Selectable Report Formats: (1) 3x4 Simultaneous; (2) 3x4 Sequential; (3) 6x2 ECG; (4) 6x1 ECG; (5) Averaged Complexes ECG; (6) ECG Measurements Report; (7) Avg. Zoom Report; (8) Zoom Report		
Interpretation	Rhythm, Morphology		
Environmental Conditions	Operating Temperature: 0-40°C Storage Conditions: -20-70°C Humidity: 85% Max. (non-condensing)		



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REF Z-7000-0301 (AHA) ML934 10/17
Z-7000-0401 (IEC)