

Midmark® Digital ECG

TECHNICAL SPECIFICATIONS

Patient Connections	
10-lead patient cable with RFI filter, defibrillator protection and patient isolation	
Safety Parameters	
Patient leakage current not to exceed 10 μ A	
Patient electrically isolated from main current supply	
Physical Characteristics	
Total Weight ECG module, patient cable, USB cable	13.6 oz / 0.85 lb
Dimensions	2.5 in. (65 mm) x 0.59 in. (15 mm) x 4.5 in. (115 mm)
Power	USB port
ECG Acquisition	
DC Input Impedance	> 100 megaohms
Line Frequency	50 - 60 Hz
Filters	AC, drift, muscle
Gain Sensitivity	5, 10, 20 mm/mV
Dynamic Range	$\pm$ 500 mV
AD Conversion/Resolution	24 bits at 2.5 μ V/LSB
Electrode Offset	$\pm$ 500 mV
Sampling Rate for Analysis	500 samples/sec
Front-End Sampling Rate	128K c/s per channel
Pacemaker Detection	Software on 128K c/s simultaneous on lead pairs I, II and v4, V5 Impulse duration range: 0.2 ms – 2 ms Impulse width range: 2 mV – 250 mV Estimate of pacemaker spike duration and amplitude
Certifications	EN ISO 15223-1, EN 1789, EN 60601-1, EN 60601-1-2, EN 60601-1-6, EN 60601-1-11, EN 60601-2-25
Regulatory Status	FDA Class II

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