

Vyntus® ECG

Technical specifications



ECG Amplifier, 10 electrodes, 12 leads

Application	ECG recording	
ECG leads	according to Einthoven, Wilson, Goldberger	
Bandwidth	0.05 - 150 Hz digital	
Sampling rate per channel	500 Hz	
Pacemaker detection	4000 Hz	
Resolution	< 2.5 μ V/bit	
Connection to the PC	Wireless, Bluetooth®	
Bluetooth®	Bluetooth® module	Panasonic PAN 1322
	Bluetooth® standard	V2.1, class 2 device
	Output power	2.5 dBm, max. 4.5 dBm
	Frequency range	2400 - 2483.5 MHz
	FCC identifier	T7VEBMU
	IC identifier	216QEBMU
Connection of the electrodes	Bluetooth® QD ID	B021246
	4 mm snap, gilded	

Dimensions / Weight

ECG housing	Dimensions	9.5 cm W x 8.5 cm D x 2 cm H (3.7" x 3.3" x 0.8")
	Weight	0.2 kg (0.4 lbs)
Length of electrode cables	V1 - V6	60 cm (23.6")
	LL	45 cm (17.7")
	LA / RL	70 cm (27.6")
	RA	80 cm (31.5")

Power supply

Supply voltage	1.5 V DC AA battery or 1.2 V DC AA NiMH rechargeable battery, at least 2500 mAh
Power input (<i>max.</i>)	500 mA
Service life with fully charged battery	at least 6 hours

Moisture protection

Type applied part	IP 20
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Ambient conditions

Temperature	+10°C to +34°C (+50°F to 93.2°F)
Relative humidity	20 to 80% RH, non-condensing
Ambient pressure	700 to 1060 hPa (525 to 795 mmHg)

Classification of applied parts

Type applied part	CF, defibrillator proof
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Category according to MDD 93/42/EEC (2007)

Complete system	Active class IIa medical product
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Standards, directives and market clearances

Standards	EN 60601-1, EN 60601-1-2, EN 60601-2-25, EN 62304, EN 62366, EN ISO 14971, EN ISO 10993-1
Directives	93/42/EEC amended by 2007/47/EC, RoHS 2011/65/EU compliant
Market clearances	CE, FDA 510(k) clearance