

BT12 12-lead ECG

Fast, accurate 12-lead ECG waveform data capture for easy integration to your telehealth solution.

The Vitalograph BT12 ECG rapidly turns your mobile phone, tablet, or PC into a powerful electrocardiograph.



Technical Specifications

Product:	BT12 ECG Model 4130
Model:	4130
Dimensions:	6.1cm x 10.6cm x 2.3cm
Weight, including cable:	210 g incl. batteries (154 g without batteries)
Power Supply:	2 * AA batteries (1.5 V) or rechargeable batteries (1.2 V)
Data transmission:	Wireless, standard Bluetooth 2.1
EMC Standards:	EN60601-1-2007
Electrodes:	Standard clip ECG electrodes
Signal output:	Missing signal/connection termination Electrode loss
Sample Rate:	500Hz
Digital Resolution:	2.6 μ V
Bandwidth:	0.05 HZ – 150 Hz digital
Lead Configuration:	10 lead Patient cable/ 12 lead ECG
Screen Display:	LCD
Range:	Approximately 10 metres
Bluetooth Technology:	Serial transmission protocol with SDP
Runtime:	9 to 13 hours of operation depending on the type of batteries used.
Defibrillation Protection:	Yes (With supplied Cable)

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Technical Specifications (continued)

Pacemaker Detection:	Yes
Resolution:	24 bit A/D converter (15 bit transmitted)
Degree of protection against penetration of water:	IPX3
Operating Temperature Range:	0 - 50°C
Operating Humidity Range:	25% - 95%
Air pressure range:	700hPa - 1060hPa
Current consumption at 3 V - Operation - Stand-by	148 mA (BT12) 37 mA (BT12)
Intermediate data memory (data saving mode):	Is sufficient for at least 6 minutes of ECG
Classification in acc. with 60601-1 Type of protection against electric shock: Degree of protection against electric shock:	Device with internal power supply Type BF
Sound pressure level of signal regulated over 5 levels:	37 dB – 55 dB
Wireless transmission:	Approved in accordance to R&TTE directive transmitter module marked by CE, manufactured by MITSUMI incorporated to OEM product.
Product class in acc. with 93/42/EWG (MDD):	Ila

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