

## clickecgbt

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**clickecgbt** is an electrocardiographic signal acquisition unit capable of transmitting the ECG signal to the PC in real time via *bluetooth* wireless transmission.

The device simultaneously acquires the 12 standard leads from the patient at a frequency of 500 samples per second per channel with a 16 bit resolution, and transmits them in real time to the computer running dedicated CARDIOLINE® software. For a detailed description of this program see the product information sheet.

Thanks to the *bluetooth* connection with the PC **clickecgbt** does not require cables to connect to the PC and facilitates the performance of the electrocardiographic tests, allowing the patient to move freely in the area around the CARDIOLINE system.

*Bluetooth* technology also guarantees the best conditions for transmission to the PC and effectively cancels out possible interferences thanks to its intrinsic capacity to automatically reposition itself, time after time, on the best frequency and transmission channel.

Finally, thanks to its ergonomic design, reduced size and weight of only 100g **clickecgbt** guarantees comfort to the patient as well as extreme simplicity and reliability of use.



clickecgbt

## Technical Specifications

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Leads .....	12 standard leads, acquired simultaneously and continuously
Sampling frequency .....	500 Hz per channel
Resolution .....	16 bit
Sensitivity (LSB).....	5.0 microV/bit (variable from pc to 2.5microV/bit)
Signal input range .....	AC: $\pm 80$ mV to 2.5 microV/bit AC $\pm 160$ mV to 5 microV/bit DC: $\pm 850$ mV
Frequency response .....	0.05Hz – 150Hz
Slew rate .....	$\geq 320$ mV/s, capacity to detect a pitch
Input impedance .....	$\geq 40$ Mohm
Common mode rejection.....	$\geq 95$ dB
Time constant .....	3.3 secs
Saturation detection .....	independent for each channel
Pacemaker recognition .....	hardware detection on leads II, V4 and V5 always active
Real-time transmission .....	Bluetooth wireless connection– Class II
LED .....	1 two-colour led to control battery status, green-red 1 led to control the Bluetooth connection - blue
Buttons .....	1 power button
Patient cable .....	10-wire cable with button end. Optional with banana connection
Defibrillator protection .....	Yes, in combination with original patient cable
Power supply .....	2 AA batteries, ultra alkaline or rechargeable NiMH (from at least 2500mAh)
Size and Weight.....	110x83x17 mm and 100 gr – without batteries
Housing protection .....	IP20
Applied parts .....	CF type
Classification (EN60601-1) ..	device internal supply
Class (Directive 93/42/EEC) IIa	
Ambient working conditions .....	temperature between +10 and +40 °C inclusive relative humidity between 25 and 95 % inclusive (without condensation) atmospheric pressure between 700 and 1060 mbar inclusive
Ambient storage conditions .....	temperature between +10 and + 40 °C inclusive relative humidity between 25 and 95 % inclusive (without condensation) atmospheric pressure between 500 and 1060 mbar inclusive

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