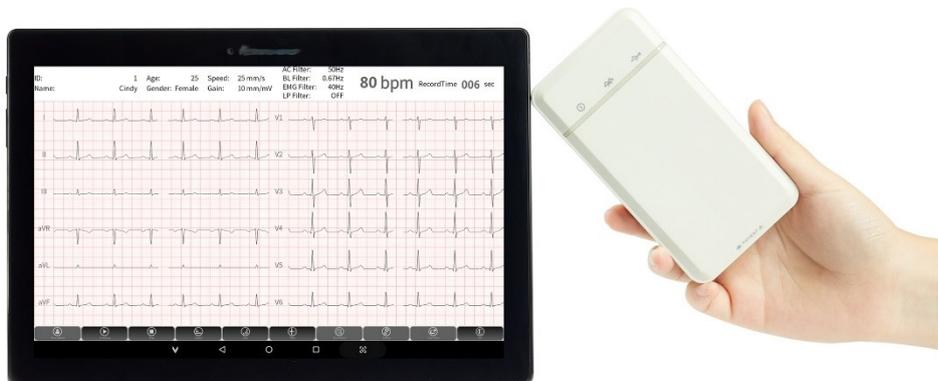


EP-LU30200 Wireless PC-ECG EUROECG BT12



BlueTooth , USB



Windows , Android

N.B. Product is subject to change without prior notice. The actual product might differ from the pictures here shown.

Description

EUROECG BT12 high-resolution PC-ECG, acquires the standard 12 leads simultaneously, and displays the ECG in real time. The color print-out or PDF include ECG grid, exam and patient data, referral and measurements.

Several layouts are available, for display and printout. EUROECG BT12 has a patients/examinations Database. Automatic ECG processing is performed, and Measurements, Classification (Screening) and Interpretation are available. The system is compatible with Windows 7-8-8.1-10. EUROECG BT12 is wireless, and uses a fast Bluetooth interface towards EUROECG SW12 software.

The main features of EUROECG BT12 are:

- USB or Bluetooth communication
- ECG Measurements, Classification (Screening) and Interpretation
- Fast, user-friendly graphic interface
- ECG review and validation, library of custom statements
- Screening mode
- Data export as DICOM, PDF, JPG, FDA-XML, SCP etc.
- Color printout, custom ECG colors
- High resolution and sampling frequency
- Pacemaker detection and processing
- Several models of patient cable

Technical features

Leads	12 Standard I, II, III, aVR, aVL, aVF, V1, V2, V3, V4, V5, V6
Defi protection	Device protected against defibrillation discharges. An original patient cable is required
Acquisition	Simultaneous acquisition of the 12 Leads, interval $\pm 5\text{mVpp}$, time constant $\geq 3.2\text{s}$
Bandwidth	0.05Hz-150Hz (-3dB)
Input impedance	$\geq 50\text{M}\Omega$
Input current	$< 0.05 \mu\text{A}$
Current towards patient	Current leak $< 10 \mu\text{A}$ (220-240 V), Auxiliary current $< 0,1 \mu\text{A}$ (DC)
CMRR	$> 90 \text{dB}$
Risolution	12 bit
Sampling	ECG: 8.000 samples/sec. Pacemaker: 10.000 samples/sec
Pacemaker	Detection at 10.000 samp./sec with automatic filtering
Signal Processing	Automatic ECG Analysis and Classification, Automatic ECG Measurements (QTc according to Bazett or Fredricia); Manual ECG measurements.
Referral	Manual editing, use of custom library of statements
Gain	5 mm/mV, 10 mm/mV, 20 mm/mV
Speed	12.5 mm/s, 25 mm/s, 50 mm/s
Operating Mode	Automatic, Manual
Print layout	<ul style="list-style-type: none"> . 3x4+ Rhythm, 3x4+3 Rhythm, 6x2, 6x2 + Rhythm, 12. . 1 or 3 rhythm leads, custom. . Every layout is available as Portrait or Landscape.
Filters	<ul style="list-style-type: none"> . EMG 20/30/40Hz . Mains 50/60Hz . Base-line: high-pass 0.05, 0.16, 0.32, 0.67 Hz
User Interfaces	<ul style="list-style-type: none"> . Function keys . LEDs for power, data flow, electrodes check . color ECG displays with custom colors
PC interface	USB-B, Bluetooth 2.0 or superior
Alarms and info	Contact (for each lead or electrode), connection status
ECG Storage	Database and File System
HIS interface	<ul style="list-style-type: none"> . GDT 2.1 . DICOM Modality Worklist . HL7
ECG export	According to standard formats: DICOM, PDF, JPG, SCP, FDA-XML etc.
Power supply	5,0 Vcc from USB or 3,0 Vcc from 2x AAA alkaline 1,5 V
Size & Weight	126 x 68 x 25 mm, Approx. 120 g w/o batteries
Environmental conditions	Temperature: $+5^{\circ}\text{C}$ / $+40^{\circ}\text{C}$ (warehouse, transport -20°C / $+50^{\circ}\text{C}$). Relative Humidity: 25% / 80% (warehouse, transport 25% / 85%). Pressure: 700 hPa / 1060 hPa (warehouse, transport 500 hPa / 1060 hPa).
Requirements	Windows 7, 8, 8.1 o 10, CPU i3 o sup., 4 GB RAM o sup., 3 USB ports (2 if built-in Bluetooth is used)
Classification	IEC Class II Type CF
Standard accessories	ECG Bluetooth PE-1204 acquisition box, English software and English User Manual, LUMED EUROlink IEC patient cable (4mm Banana, Snap or Pinch), LUMED EUROcatch disposable electrodes, USB licence dongle, Bluetooth dongle, USB cable, USB memory with sw installer and PDF manuals.
Manufacturer	ECGMAC Ltd. Shenzhen, PRC
Certifications	CE 0123, ISO13485