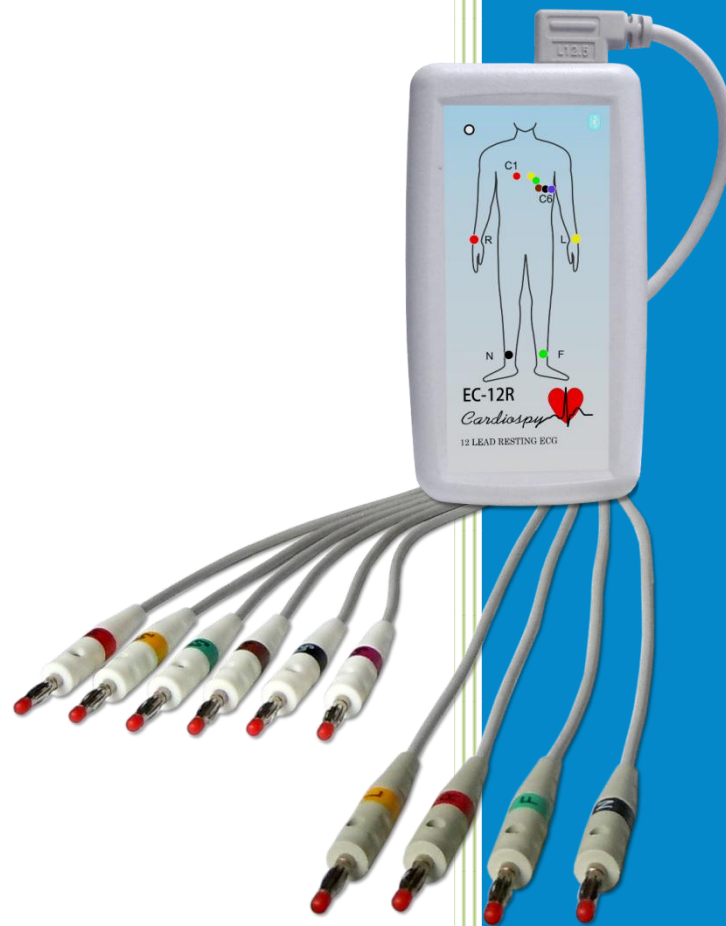


EC-12R Resting ECG System

Technical specification



TECHNICAL SPECIFICATIONS OF EC-12R RECORDER

Leads	I, II, III, aVR, aVL, aVF, V1, V2, V3, V4, V5, V6, NEHB
PC connection	Bluetooth (wireless type)
Patient protection	EN 60601 (IEC-601-1), CF type
Power supply / Can be exchanged during recording! /	2 x 1,2 V rechargeable batteries (or 2 x 1.5 V AA alkaline battery)
Dynamic interval	±20 mV
DC offset range	±1000 mV
Frequency response	0.05 Hz ... 150Hz
Sampling rate	1000 Hz
A/D resolution	16 bit
Input impedance	≥100 MΩ
Size	125 x 70 x 33 mm
Weight	~ 110 g (wireless type)

REST SOFTWARE FUNCTIONS

<ul style="list-style-type: none"> • 5, 10, 20 sec and long ECG record 	<ul style="list-style-type: none"> • Rhythm curves 	<ul style="list-style-type: none"> • Lead-off warning
<ul style="list-style-type: none"> • Precise QRS classification 	<ul style="list-style-type: none"> • Store the Indication and medication of the patient 	<ul style="list-style-type: none"> • Smoothing, baseline, mains filters
<ul style="list-style-type: none"> • Arrhythmia analysis 	<ul style="list-style-type: none"> • QRS frontal axis 	<ul style="list-style-type: none"> • Full Disclosure ECG recording
<ul style="list-style-type: none"> • Paper speed: 5-12,5-25-50-100-200 mm/s 	<ul style="list-style-type: none"> • Amplitude: 2,5, 5-10-20-40 mm/mV 	<ul style="list-style-type: none"> • BMI and BMI prime
<ul style="list-style-type: none"> • Automatic diagnosis 	<ul style="list-style-type: none"> • Average vire 	<ul style="list-style-type: none"> • ECG contrast
<ul style="list-style-type: none"> • Milimeter paper settings 	<ul style="list-style-type: none"> • Display channels: 3, 6, 12, additionally: Cabrera, Custom 	

BASIC FUNCTIONS OF SOFTWARE**DATABASE FUNCTIONS**

• Common database for all Labtech system	• Record recycle bin function	• Search records
• Acquire Patient ID from barcode reader	• System log	• Local database, Network database: Microsoft SQL Server database, SQLite database
• Acquire Patient ID using magnetic card reader	• Filter records	• Different date format
• Medical record for patients	• Import – export records	• Password protected software starting
• Access control	• Import – export records by date	

BASIC FUNCTIONS

• Automatic update	• Normal and MSI install	• Full screen mode
• HIS integrations: GDT, DICOM MODALITY WORKLIST, Cardiospy SDK	• Two display mode	• Cubios HRV export
• FTP integration	• Email function	• AHA / IEC electrode placement

PRINT AND EXPORT FUNCTIONS

• Report printing and exporting	• Automatic print	• Selectable reports
• Color and Black and white reports	• Contrast settings	• Resizable resolution
• Customizable company logo	• Automatic diagnosis	• Custom report
• Adjustable paper speed and amplitude	• Import /Export settings	• Export ECG data to CSV, SCP, Dat format
• Export QRS data	• Export N-N intervals	• Export R-R intervals

SOFTWARE MINIMUM CONFIGURATION

Processor	minimum: Intel® Core™ i3 recommended: Intel® Core™ i5 or better (Sandy Bridge or newer architecture)
RAM	minimum: 4 GB; recommended: 8 GB
Graphics card	DirectX 10 compatible, min. 128 MB video memory
Display	minimum: min. 1280x800 resolution recommended: 22" monitor 1920 x 1080 resolution (Full HD)
HDD	500 GB (SATA II or newer recommended)
Interface	1 USB port for the EC-2H/3H/12H/ABP recorder 1 USB port for the USB-02 key 1 USB port for the printer
Printer	Laser (printing speed: 15-20 page/min, color printer recommended)
Operating system	Windows 7, Windows 8, Windows 8.1, Windows 10 (32-bit or 64-bit versions)

*Windows XP is no longer supported by Microsoft. Labtech provides only limited support for previously installed systems.

EC-12LT Treadmill

Technical Specification



EC-12LT treadmill standard specification

Belt dimensions (L x W)	150 X 50 cm	
Power in Horse Power	5,5 HP	
Maximum motor power	1,8 KW	
Supply Voltage	Voltage	200-230 V
	Frequency	50/60 Hz
	Maximum rated power input	1500 VA
Max. Patient weight	225 kg	
Speed	Maximum	25 km/h
	Minimum	0,5 km/h
	Speed adjustment steps	0,1 km/h
	Accuracy	< 2 km/h: 0,1 km/h \geq 2 km/h: 5%
Grade	Maximum	25%
	Elevation adjustment steps	0,5%
External Control	USB cable (USB A-B)	
Safety Class	Class I	
Emergency Stop	Magnetic Lanyard	
Anti-slip strips	Yes	
Dimensions (L x W x H)	215 X 80 X 130 cm	
Weight	149 kg	

EC-12LT treadmill environmental conditions

Operational	Temperature	14 - 40 °C; 57 - 104 °F
	Humidity (non-condensing)	30 - 90 %
	Air pressure	70 – 106 kPa
Storage	Temperature	14 - 40 °C; 57 - 104 °F
	Humidity (non-condensing)	10 - 95 %
	Air pressure	50 – 106 kPa
Standard & safety norms	ISO 9001:2008, ISO 13485:2003, IEC 60601-1, UL 60601-1	
Classification	Medical device directive (93/42/EEG); Class I; type B	