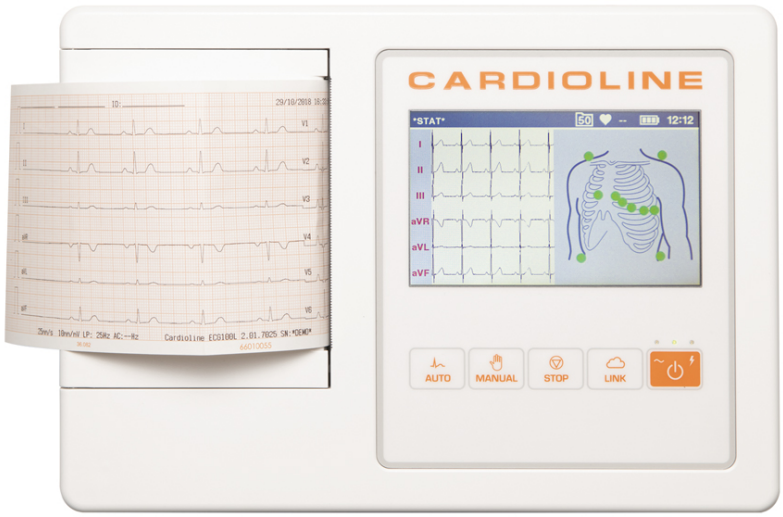
CARDIOLINE ECG100L BASIC - 5" colour touch screen



Product Code	54200
Unit of sale	1 pc
Minimum order	1
Type	Medical device
Class	II A

RDM (NSIS)	1614799
CND	Z12050302
EAN/UPC	8056732654983
GMDN	16231

Description

CARDIOLINE ECG 100L BASIC - 5" screen

The Cardioline ECG have been designed to provide simple and fast 12 lead resting ECG acquisition for the private practice.
Particular attention has been dedicated to device usability using a brilliant 5" (54200-2) or 7" (54204-5) colour touch screen display, as well as dedicated keys for fast operation.
User is guided through ECG acquisition step by step, from electrode placement, to quality checking, acquisition, printing and storage.
Automatic, manual, Stat or rhythm ECGs can alternatively be acquired at the simple touch of a key.
The new Rhythm ECG function allows for rhythm analysis of 3 minutes of ECG, including HR trending and Variability.
ECG files can be storedon the device or exported, through USB connection to a PC or a memory stick.

Support most printing formats
Standard or Cabrera 3, 3+1, 3+3, 6, 12 (12 only 54204-5) channels in automatic mode and 3, 6 or 12 printout channels in continuous mode, as well as printout of the rhythm strip.

Multilingual switchable internal software in 16 languages GB, FR, IT, ES, PT, DE, RO, RU, CZ, HR, BR, HU, NL, TR, RS, PL.

Glasgow algorithm for pediatric and adult interpretation (only 54201 - 54205)
The algorithm can diagnose any abnormality, usually recognizable through ECG: myocardial infarction, including AMI, ventricular hypertrophy, ST-T and common rhythm anomalies. Furthermore, the program detects conduction and QT interval prolongation malfunctions.

ECG EasyApp to manage patient ECGs (included with 54202, 54205, optional for 54200-1, 54204)
Through this App, ECG acquisitions can be received in SCP format on PC (via USB) and printed. Patient data and automatic interpretations, provided by ECG, can be modified, including test results. The operator can also customize rhythm strips layout with specific commands (speed, gain, filter etc.).

Technical Specifications

ECG acquisition
• ECG channels: 12-lead (I, II, III, aVR-L-F, V1-6)
• Patient cable: Standard 15D, 10-wires
• CMRR: >100 dB
• Input impedance: 100 MOhm
• Sampling rate of the input stage: 32000 samples/second/channel
• ECG resolution: 5µV/LSB; 500 s/s
• Dynamic range: ± 325 mV
• Bandwidth: Performance equivalent to 0,05-150 Hz
• Pacemaker detection: Hardware detection coupled with convolution digital filtering
• Filters: Linear phase digital diagnostic high-pass filter (acc. to 60601-2-25 2nd ed.) 50/60 Hz AC interference adaptive digital filter. Digita l low pass filters at 25/40 Hz, for display and printing only
• Defibrillation protection: AAMI/IEC standards
• Front-end performance: ANSI/AAMI IEC 60601-2-25:2011
• Acquisition mode: Automatic (12-leads), Manual (3/6-leads), Stat (12-leads), Rhythm (1/3-leads)

• Configuration: Standard or Cabrera
• Lead fail detection: Independent on all leads
• Heart rate meter: 30-300 bpm
• ECG measurements: All leads, average, corrected; HR; Average RR; PR interval, QRS duration, QT interval and QTc interval, with hodges, Bazzet and Fridericia's formula max R[V5] or [V6] and S[V1], Sokolow-Lyon index; P, R, T axis
• ECG storage: 50 ECG
• Export format: SCP-PDF

Display
• Type: 5" TFT backlit colour LCD with capacitive touch panel
• Resolution: 800x480
• Data: 3/6/12-leads real time

Printer
• Thermal printer head: 108 mm
• Resolution: 8 dots/mm

Physical characteristics
• Device size/weight: 270x190x60 mm - 1.48 Kg

Power
• Power supply: 100-240V, 50/60 Hz
• Degree of protection power supply: IP20
• Battery type: NiMH
• Battery duration: more than 500 ECGs, more than 6 hours
• Battery charging time: 4 hours to 85% full capacity

Regulatory and safety
• MDD 93/42/CEE Class IIa
• IEC 60601-1-2 (electromagnetic compatibility): Group 1 - Class B
• IEC 60601-1 (electrical safety)
• Protection against electric shock: IP (internal power ME), Class I (on external AC/DC)
• Protection against water: IXP 0

Standard accessories

Patient cable
2 rolls of paper
Battery
Power cable
Adaptor for snap connector 4 mm (box of 10)
Disposable tab electrodes (box of 100)
CD Manual (GB, FR, IT, ES, PT, DE, NL, CZ, HR, HU, PL, RO, RU)