



Cardio7-S

7" Color TFT LCD 12 Channel Interpretive Resting ECG and Spirometer with Touch Screen

- * Print out ECGs in multiple formats, including 12, 6 and 3 channel reports
- * Convenient USB function (memory storage, barcode scanner Wi-Fi converter external keyboard)
- * 12 channel interpretive ECG
- * One-touch operation (monitoring, recording mode)
- * Real-time preview monitor
- * 12Ch simultaneous display
- * 7" color TFT wide display (800 x 480)
- * Touch screen for easy operation
- * Portrait & landscape mode
- * Rotary key access to all menus
- * No cleaning
Using disposable mouthpiece patented sensing method
- * Pre - post bronchodilator comparison
- Over 130 kinds of interpretation results based on advanced Minnesota code
- Memory for up to 200 patients
- PC compatible through LAN
- Pacemaker detection
- Automatic arrhythmia detection
- HRV (Heart Rate Variability) analysis
- 3/5/10 minute long term recording
- Pulmonary test with specialized theory
- Breathing Protocol
 - FVC (Forced Vital Capacity)
 - SVC (Slow Vital Capacity)
 - MVV (Maximum Voluntary Ventilation)
- Multi-language (English, Russian, French, German, Italian, Chinese, Spanish, Turkish, Polish, Romanian, Portuguese) available



SPECIFICATIONS

ECG >>>

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| ECG leads | 12 channel simultaneous ECG and acquisition |
| Dimensions | 300 (W) x 299 (H) x 123 (D) mm, Approx. 4 kg |
| Record | Auto, Rhythm, Disclosure, Arrhythmia Detect |
| Recording channel | 3CH+1RHY, 3CH+3RHY, 6CH+1RHY, 12CH, 1CH long time (1 min, 3 min, 5 min, 10 min) and special reports (text, guide, vector) |
| Sensitivity | 2.5, 5, 10, 20, auto (I~aVF: 10, V1~V6: 5) mm/mV |
| Printing speed | 5, 12.5, 25, 50, 100 mm/s |
| Sampling rate | 2,000 samples per second |
| Filters | AC (50/60 Hz, -20 dB or better), Muscle (25~35 Hz, -3 dB or better), Base line drift (0.05, 0.1, 0.2 Hz, -3 dB or better), Low pass filter (off, 40 Hz, 100 Hz, 150 Hz) |
| Display | 7" color TFT wide display (800 x 480) |
| Monitor display | HR, ID, date, AC or battery state, sensitivity, speed, number of saved data, printing form, rhythm lead |
| User interface | Touch screen, hot key, barcode scanner, USB keyboard |
| Patient data | ID, name, age, sex, height, weight, smoke, race |
| Basic measurement | Heart rate, PR, QRS, QT/QTc, P-R-T axis |
| Recorder | Thermal print head, roll paper Report papers: (width x length) - A4: 215 mm (8.5") x 297 mm (11.7") - Letter: 215 mm (8.5") x 280 mm (11") Resolution - vertical: 8 dot/mm - horizontal: 16 dot/mm |
| Electrical | Internal noise: 20 μ V(p-p)/max Input impedance: More than 50 M Ω Input voltage range: \pm 5 mV CMRR: Greater than 105 dB DC offset voltage: \geq \pm 400 mV Patient leakage current: < 10 μ A Frequency response: 0.05 ~ 150 within -3 dB Isolated, defibrillation and ESU protected |
| Signal quality control | Pacemaker pulse detection lead fault detection, signal saturation detection |
| ECG data storage | Internal storage for 200 ECGs and external USB flash drive |
| Power | Input: 100-240 VAC, 2-1 A, 50/60 Hz Output: 60 VA max |
| External link | LAN, 2 USB Port |
| File format | PDF, JPG, XML, MFER, DCM |
| Battery | Type: Replaceable and rechargeable Lithium Ion Capacity: 6 hours of continuous operation without printing or Approx. 3 hours of 200 ECG printouts |
| Communication | RS232, LAN, WiFi, USB flash drive, USB barcode scanner |
| Safety conformity | Class I, Type CF, CE, FDA, KFDA, CFDA, NCC |
| Environment | Operating humidity: 30~85% Operating temperature: 10~40°C |
| Standard accessory | Power cord (1 ea), Patient cable (1 ea), ECG clips (1 set), Disposable electrodes (1 pouch), Chart paper (1 ea), Operation manual (1 ea), Diagnosis guide (1 ea), Rechargeable battery (1 ea), USB WiFi dongle (1 ea) |
| Options | Cart, Hanger, DICOM 3.0 |

* Specifications can be changed without prior notification.

SPIROMETER >>>

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| Dimension | 47 (W) x 200 (H) x 34 (D) mm, approx. 250g |
| Measuring Values | FVC: FVC, FEV 1.0, FEV 1/FVC, FEF 0.2 - 1.2L, FEF 25 - 75%, FEF 75 - 85%, PEF, FEF 25%, FEF 50%, FEF 75%, FIVC, FEV6, PEFT, FET 100% SVC: SVC, ERV, IRV, TV, EC MVV: MVV, FB, TV |
| Presentation | Flow volume loop Flow time plot Measurement values table |
| Measuring range | Flow: 0 to \pm 14 L/s Volume: 0 to \pm 12L |
| Measuring method | Differential pressure method |
| Prediction equation | Morris-Polgar, ECCS-Quanjer, Knudson-ITS, Pereira, Korea CJK |
| Sample rate | 200 samples/sec |
| Flow impedance | <0.2 mbar s/l at 12 l/s |
| Measuring accuracy | Complies with ATS (American Thoracic Society) |
| Environment | Ambient temperature: 15 to 40°C (59 to 104°F) Relative humidity: 10 to 90% (non-condensing) Atmospheric pressure: 700 to 1060hPa |
| Standard accessories | Disposable mouthpiece (100 ea) Nose clip (1 ea) Adapter (1 ea) Handle dock (1 ea) Operation manual (1 ea) Diagnosis guide (1 ea) |