



# Electrocardiograph

## ECG-12C

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Cardiology

# Cardiology

12-channel ECG

## ECG - 12C Electrocardiograph

### Features

- High resolution color screen and Alphanumeric keyboard.
- High capacity internal memory.
- Three samples mode: Pre-sample, Real-time, Trigger preview.
- 3, 6 & 12 Channels.
- Corrects detection for failure electrodes.
- Flexible printing formats.
- Multiple file formats: DAT, PDF and Optional formats (SCP/F-DA-XML/DIACOM).
- Measurement function and interpretation function.
- 12-leads simultaneous acquisition, analyzing and printing.
- Support multi-language data input.
- Pacemaker detection.
- Integrated thermal recorder.
- ECG real-time transmission to PC.
- Convenient operation of system setup and file management.
- Support barcode scanner. (optional)
- WiFi ( optional )
- Ethernet and RS232 communication ports.
- Built-in rechargeable backup battery.
- Voltage 100V~240V – 50/60Hz.
- Meets ISO 13485 Quality Standard.
- Meets FDA 510(k) requirements.
- Two years warranty.



**2 YEARS**  
warranty

## Technical Specifications

<b>Physical Specifications</b>	<b>Dimensions</b> <b>Weight</b>	420mm×330mm×105mm (16.5in×13.0in×4.1in) Approx. 5.0kg (11.0 lbs) (Excluding recorder paper and battery)
<b>Display</b>	<b>Resolution</b>	800×600 Multicolor LCD Screen
<b>ECG Unit</b>	Leads Acquisition Mode A/D Resolution Time Constant Frequency Response Gain Input Impedance Input Circuit Current Input Voltage Range Calibration Voltage DC Offset Voltage Noise Multichannel Crosstalk	12 standard leads Simultaneously 12 leads 24 Bits ≥3.2s 0.05Hz ~ 150Hz (-3dB) 2.5, 5, 10, 20, 10/5, AGC (mm/mV) ≥50MΩ (10Hz) ≤0.01μA ≤±5 mVpp 1mV±2% ±600mV ≤12.5 μVp-p ≤0.5mm
<b>Filter</b>	AC Filter DFT Filter EMG Filter LOWPASS Filter CMRR Sampling Frequency	On/Off 0.05Hz/0.15Hz/0.25Hz/0.32Hz/0.5Hz/0.67Hz Off/25Hz/35Hz/45Hz 150Hz/100Hz/75Hz ≥115dB 1000 Hz
<b>External</b>	Input Output	≥100kΩ; Sensitivity 10mm/V±5%; Single ended ≤100Ω; Sensitivity 1V/mV±5%; Single ended
	Amplitude Width Sampling Frequency	±2 to ±700 mV 0.1 to 2.0 ms 10,000/sec/channel
<b>HR Recognition</b>	Technique Range Accuracy	Peak-peak detection 30 BPM ~300 BPM ±1 BPM
<b>Recording</b>	Recorder Printing Density  Recorder Paper Effective Width Paper Speed Accuracy of Data	Thermal dot-matrix recorder 8 dots per mm / 200 dots per inch (amplitude axes) 40 dots per mm / 1000 dots per inch (time axes, @ 25 mm/s) Folded thermal paper: 210mm×295mm×100pages 203mm 5mm/s, 6.25mm/s, 10mm/s, 12.5mm/s, 25mm/s, 50mm/s (±3%) ±5% (x-axis), ±5%(y-axis)
<b>Power Supply</b>	Operating Voltage Operating Frequency Input Current Li-ion Battery Voltage Charge time Fuse	100V-240V 50Hz/60Hz 0.9-0.4A 14.8V / 4400mAh or 2200mA 4400mAh (6 hours) / 2200mAh (3 hours) T1AL250VP Ø5×20
<b>Environment</b>	Working Temperature Relative Humidity Atmospheric Pressure Transport & Storage Relative Humidity Atmospheric Pressure	+5°C (+41°F) ~ +40°C (+104°F) 25%~80% Non-Condensing 860hPa ~1060hPa -20°C (-4°F) ~ +55°C (+131°F) 25%~93% Non-Condensing 700hPa ~1060hPa
<b>Communication</b>	Port	Ethernet, RS232, USB

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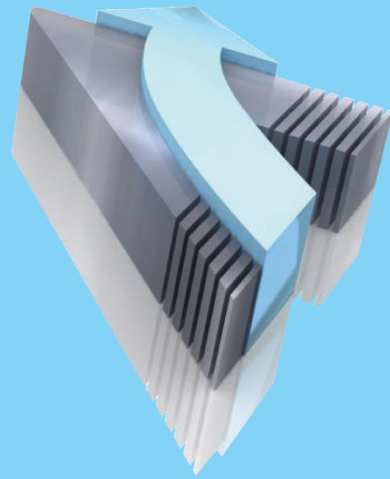
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