



CAR

Electrocardiograph ECG-12C



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

Physical Specifications	Dimensions Weight	420mm×330mm×105mm (16.5in×13.0in×4.1in) Approx. 5.0kg (11.0 lbs) (Excluding recorder paper and battery)
Display	Resolution	800×600 Multicolor LCD Screen
ECG Unit	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
Filter	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
External	Input Output	≥100kΩ; Sensitivity 10mm/V±5%; Single ended ≤100Ω; Sensitivity 1V/mV±5%; Single ended
Pacemaker Detection	Amplitude Width Sampling Frequency	±2 to ±700 mV 0.1 to 2.0 ms 10,000/sec/channel
HR Recognition	Technique Range Accuracy	Peak-peak detection 30 BPM ~300 BPM ±1 BPM
Recording	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)
Power Supply	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
Enviroment	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
Communication	Port	Ethernet, RS232, USB

2018 Advanced Instrumentations Inc., is a U.S.A registered company – All rights reserved.

All functionality, features, specifications and other product information provided in this document including, but not limited to, the benefits, design, pricing, components, performance, availability, and capabilities of the product are subject to change without notice or obligation. Advanced Instrumentations reserves the right to make changes to this document and the product described herein, at any time, without obligation on Advanced Instrumentations to provide notification of such change. Actual description and specification of the product in this document may be different. Images shown here are for representational purpose only, actual may vary.

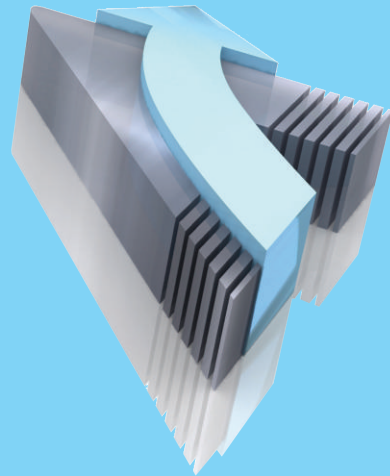
Advanced and Advanced Instrumentations trademarks and logos shown are property of Advanced Instrumentations Inc.

Success Through Quality/Since 1988

Advanced Instrumentations Inc.
Success Through Quality,
a Company You Can Trust

Advanced Instrumentations manufactures leading medical technology equipment in the areas of anesthesia, cardiology, operating room, gynecology and obstetrics, IV therapy, patient monitors, hospital furniture, neonatology and ultrasound. We deliver to the healthcare industry the highest-quality standards, reliability, and patient safety in all our products through effective, and rigorous testing procedures by our own department of Biomedical Engineering in the United States. All of our equipment comes with 2 years warranty and excellent post-sale support services.

Advanced Instrumentations Inc. complies with the requirements of the ISO standards 13585-2016 following the audit by one of the most prestigious global certification companies, as it is the SGS. We comply with the requirements and are audited by the US Food and Drug Administration (FDA) an entity of the Health and Human Services of the United States of America. These certifications are the result of dedication and commitment to excellence in our products and services.



6800 N.W. 77 Court,
Miami, FL 33166
U.S.A.
Phone: 305-477-6331
Fax: 305-477-5351

For additional information visit us at:
www.advanced-inst.com