



Defibrillator D-100

CAR



Cardiology

Defibrillator D-100

Cardiology

Advanced® D-100 Defibrillator machine is a lightweight and portable defibrillator/monitor. Defibrillation may be performed through paddles or multifunction electrode pads. In Manual Defibrillation Mode, you can also perform synchronized cardioversion

Features

4-in-one integrated design:

Monitoring, Manual Defibrillator, AED and Pacer.

7" TFT LCD color display.

Display shows numerical information and waveforms

Comprehensive alarm system. Lightweight and portable.

Up to 360J escalating dose energy to maximize defibrillation success. Defibrillation with synchronized cardioversion.

AED with Biphasic technology.

Patient Monitoring: ECG, and Respiratory Rate.

(SpO2 optional)

Adult and Pediatric external paddles, convertible.

Adult and Pediatric internal paddles (optional)

Large internal memory capacity.

IP4X levels of dust and water resistance.

Meets 21.102, ISO 9919 for shock and vibration.

Meets 6.3.4.3, EN1789 free fall requirements.

Integrated thermal recorder.

USB port, data export capability.

Built-in rechargeable backup battery.

LED Battery level indicator .

Voltage 100V~240V - 50/60 Hz.

Meets ISO 13485 Quality Standard.

Two years warranty.



2 YEARS
warranty

Technical Specifications

Physical Specifications	Dimensions Weight Battery Package External Paddle	288mm (Width) x 203mm (Deep) x 275mm (Height) 4.7 kg (including ECG/defibrillator/pacing/resp) 0.5 Kg (each) 0.8 Kg set
Display	Type Resolution Waveforms Wave Viewing Time	7" TFT Color LCD 800 x 480 pixels Max. 16s (ECG) Max. 3 channels
Defibrillator	Waveforms Energy Accuracy Charge Time Shock Delivery Patient Impedance Manual Output Energy Synchronous Cardioversion AED Mode Output Energy AED Shock Shock Series Sensitivity	BTE Biphasic truncated exponential waveform, with impedance compensation ±2J or 1 - 1.5% of setting, whichever is greater into 50 Ohm Less than 5 seconds to 200 Joules, less than 8 seconds to 360 Joules with fully charged battery Via multifunction defibrillation electrode pads, or paddles 20 to 200 Ohm (External defibrillation) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 15, 20, 30, 50, 70, 100, 150, 170, 200, 300, 360 J Energy transfer begins within 60ms of the QRS peak User configurable Energy level 100 to 360 J, configurable 1, 2, 3, configurable; Default configuration meets 2010 AHA Guidelines Meets AAMI DF-80
ECG Monitoring	Lead Type LEAD Selection Heart Rate Display Resolution ECG Size Sweep Speed Patient Isolation Arrhythmia Alarms	LEAD Type: 3 leads ECG, 5 leads ECG, Pads / Paddles I, II, III, aVR, aVL, aVF, V, Pads / Paddles Adult: 15 to 300 bpm - Pediatric: 15 to 350 bpm - Neonate: 15 to 350 bpm 1 bpm 2.5mm/mV(x0.25), 5mm/mV(x0.5), 10mm/mV(x1), 20mm/mV(x2), 40mm/mV(x4) 6.25mm/s, 12.5mm/s, 25mm/s, 50mm/s Type CF: ECG, RESP - Type BF external defibrillation Yes Yes
Non-invasive Pacing	Waveforms Pulse Width Refractory Period Pacing Mode Pacing Rate Pacing Output Pacing	Monophasic square wave pulse 20ms, ±5% 200 to 300ms, ±3% (function of rate) Demand or fixed 40ppm to 170ppm, ±1.5% 0 mA to 200 mA, ±5% or 5 mA, whichever is greater Pacing pulse frequency reduced by factor of 4 when activated
Respiration	Technique Resolution	Trans-thoracic impedance, Adult: 0 to 120 rpm / Pediatric, Neonate: 0 to 150 rpm 1 rpm.
Recorder	Method High-resolution Waveforms Reports	Thermal dot Array Max. 3 channels / Speed 25mm/s, 50mm/s Paper Width 50mm Real Time & Frozen Waveforms, Event Summary, Tabular Trends, Review, User test, and Configuration. Auto Recording recorder can be configured to record marked
Data Storage	Patient Profiles Waveform Storage Tabular Trends Voice Recording Data Export	Max. 100 patients / Events: Up to 1000 events for one patient Up to 24 hours of consecutive ECG waveform 72 hours, resolution: 1 min Max. 180 min in total; max. 60 min for each patient Data can be export to PC through USB flash memory
AC Power DC Power Battery	Line Voltage Input Voltage Lithium Ion Charge Time Capacity Indicator Monitoring Mode DEFIB Mode Pacing Mode Pacing Rate	100 to 240 VAC (±10%) / Current: 1.8 to 0.8A / Frequency 50/60 Hz (±3 Hz) 12VDC / Power Consumption: 190W 3Ah, 14.8 V, rechargeable 1 Pack Less than 2 hours to 80% and less than 3 hours to 100% with device off 5-segment led indicator for fast battery capacity evaluation 2.5 hours, Monitoring with ECG, continuously and all cables and sensors connected 100 times, 360J discharge at intervals of 1 minute without recording 2 hours, 50 Ohm load impedance 80bpm - Pacing Output: 60 mA

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.

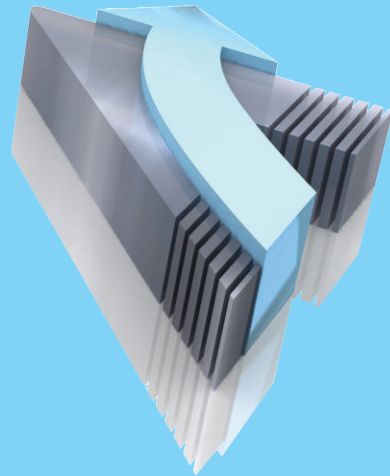
Advanced and Advanced Instrumentations trademarks and logos shown are property of Advanced Instrumentations Inc.

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