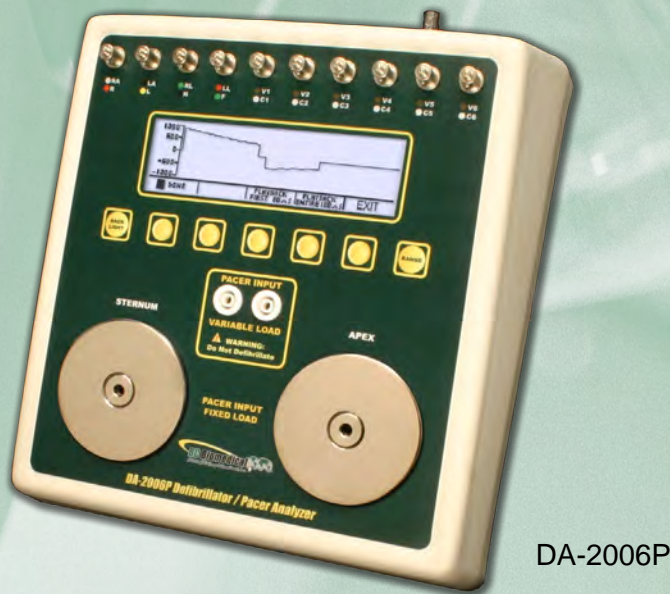


# Defibrillator Analyzers

BC Biomedical DA-2006 Series



## DA-2006 Features:

- Monophasic, Biphasic and Pulsed Biphasic Energy Measurement
- Fully AED compatible
- Graphic display with simultaneous, detailed status of parameters & scrolling control of options
- On-screen viewing of defibrillator waveforms
- Drop down choice screens list all options for parameters
- 5000 V, 1000 Joule Capacity
- High and low ranges
- Cardioversion delay measurement
- Charge time measurement
- Waveform storage & playback
- 10 Universal patient lead connectors
- 25 PIN Connector for Centronics Printer
- 9 Volt Battery Power (battery eliminator furnished)
- Low battery indicator
- Display backlight
- Full remote operation via RS-232
- Flash Programmable for upgrades

## DA-2006P Features Added:

- 26 Selectable Internal Loads
- Full Pulse Analysis
- Demand Sensitivity Test
- Refractory Period Tests
- 50/60 Hz Interference Test Sign
- Pacer Input Defib Protection

The DA-2006 is a microprocessor-based instrument that is used to test defibrillators. It measures the energy output and provides information about the pulse. The DA-2006 can be used on manual, semi-automatic and automatic defibrillators with monophasic, biphasic or pulsed biphasic outputs.

The DA-2006P model additionally provides a Transcutaneous Pacemaker analysis function. This measures and displays pacer pulse information as well as performing refractory period, sensitivity and immunity testing.

All models have a built in 50 ohm human body simulation load and 12 lead ECG. The ECG has arrhythmias and performance waveforms. Additionally, there is a centronics printer port, serial port, oscilloscope output, high level ECG output and provision for a battery eliminator.

The DA-2006 makes viewing and selecting the desired waveforms and test data quick and intuitive, with all operational information being available on the 240 by 64 pixel graphic display. Easily scroll through parameters and available options.

NOTE: The instrument is intended for use by trained service technicians.



Contact Us

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# Specifications

## Energy Output Measurements

### High Range

Voltage.....	<5,000 Volts
Max Current.....	100 Amps
Max Energy.....	1,000 Joules
Accuracy.....	± 2% of reading for >100 Joules ± 2 Joules for <100 Joules
Trigger Level.....	100 Volts
Playback Amplitude .....	1 mv / 1,000 V Lead 1
Test Pulse.....	125 Joules ± 20%

### Low Range

Voltage.....	<1,000 Volts
Max Current.....	20 Amps
Max Energy.....	50 Joules
Accuracy.....	± 2% of reading for >20 Joules ± 0.4 Joules for <20 Joules
Trigger Level.....	20 Volts
Playback Amplitude .....	1 mv / 1,000 V Lead 1
Test Pulse.....	5 Joules ± 20%

### General

Method.....	Biphasic
Load Resistance.....	50 Ohms ± 1% Non inductive (<1 mH)
Display Resolution.....	0.1 Joules
Measurement Time Window.....	100 ms
Absolute Max Peak Voltage.....	6,000 Volts
Pulse Width .....	100 ms

### Other

#### Oscilloscope Output

High Measure Range.....	120 Amps
Low Measure Range.....	1,000 Joules

#### Waveform Playback

Output.....	± 2% of reading for >100 Joules
Screen.....	100 Volts

#### Sync Time Measurements

Timing Window .....	Starts at the peak of each R-wave
Test Waveforms .....	All waveform simulations are available
Delay Time Accuracy.....	± 1 ms

#### Charge Time Measurement

From 0.1 to 99.9 sec.

## About BC Group International

BC Group is a leader in manufacturing, servicing and selling biomedical testing equipment. With dealers across the world, BC Group has achieved international success and continues to grow. Our equipment is designed to thoroughly test medical equipment and maximize your investments. We have a promise to provide quality at all levels of operation and help ensure equipment is safe for patients and medical staff.

*BC Group is committed to exceeding customer expectations and enhancing customer satisfaction through the continual improvement of our products, services and Quality Management System.*

### Cardioversion

Delay.....	0 - 6,000 ms
Resolution.....	0.1 ms
Accuracy.....	± 2 ms

### ECG NSR

Rate.....	30-300 BPM
Accuracy.....	± 1%
Amplitude.....	0.5, 1.0, 1.5, 2.0 mv (Lead II)
Accuracy.....	± 2% @ Lead II
High Level.....	200 times amplitude
Accuracy .....	± 5%
QRS Duration.....	80 ms

### ECG Performance

Sine Wave.....	0.1 to 100 Hz
Square Wave .....	0.125, 2,000 Hz
Triangle Wave.....	2,000, 2,500 Hz
Pulse Wave.....	30, 60, 120 BPM; 60 ms width
Amplitude.....	0.5, 1.0, 1.5, 2.0 mv (Lead II)
Rate Accuracy .....	± 1%
Amplitude Accuracy.....	± 2% @ Lead II

### ECG General

Lead to Lead Impedence.....	1,000 Ohms (RL, LL, RA, LA)
Lead to Lead Impedence .....	1,000 Ohms (V1-V6)

### ECG Arrhythmia Selections

Ventricular Fibrillation  
Atrial Fibrillation  
Second Degree A-V Block  
Right Bundle Branch Block  
Premature Atrial Contraction  
PVC Early  
PVC Standard  
PVC R on T  
Multifocal PVC  
Bigeminy  
Run of 5 PVCs  
Ventricular Tachycardia



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