

DELTA 3000

Defibrillator Tester / Pacemaker Analyzer / ECG Arrhythmia Simulator

Three Instruments in One

Overview:

The **Delta 3000** combines the complete testing functions of a defibrillator tester, an external pacemaker analyzer, and a 12 lead ECG arrhythmia simulator into one compact, lightweight, and easy to use instrument.

No other instrument delivers the performance testing power of the **Delta 3000**. It will test all defibrillators, all external pacemakers including transcutaneous and transvenous devices, and performance test all ECG equipment. Built-in user selectable test loads eliminate the need to carry optional pacemaker modules.

The **Delta 3000** delivers unsurpassed biomedical testing capabilities in one instrument.



Highlights:

- ◆ Compact, Lightweight, and Rugged.
- ◆ Simple, Menu Driven Operation.
- ◆ Large, Easy to Read Display.
- ◆ Simultaneous Display of All Test Measurements.
- ◆ Dedicated Print key for Immediate Documentation.
- ◆ RS 232 Palm Pilot and Printer Interface.
- ◆ Battery or AC Operation.
- ◆ Two-Year Warranty.

Test Functions:

Defibrillator Tester: Tests All Defibrillators - Semi -Automatic, Automatic, and those with Bi-Phasic Waveforms.

- ◆ Measures: Energy, Peak Voltage, Peak Current, and Cardio Sync. Time.
- ◆ Storage and Playback of Output Waveforms.

Pacemaker Analyzer: Tests All External Pacemakers – Transthoracic and Transvenous Pacers.

- ◆ Measures: Amplitude, Rate, Pulse Width, Pulse Energy, Sensed and Paced Refractory Periods.
- ◆ 50 and 60 Hz Immunity Tests.
- ◆ Transthoracic Test Load: Fixed 50 Ohm or 12 User Selectable Loads to 1000-Ohms.
- ◆ A / V Pacer Test Load: 500 Ohms.

ECG Simulator: Tests All ECG Equipment.

- ◆ 12 Lead ECG. User Selectable Rates and Amplitudes.
- ◆ Performance Waveforms: Sine, Square, Triangle, Pulse.
- ◆ 12 Arrhythmia Waveforms.



800-547-6557
www.GoNetech.com

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Specifications:

Defibrillator Tester:

Energy Measurement:

Load: 50 Ohms +/- 1%
Range (High): 900 Joules, Res. 1 J.
Resolution: 1 Joules
Range (Low): 0 – 100
Resolution: 0.1 Joules.
Accuracy: +/- 2% of the Reading
Plus 1J for Hi Range or
Plus 0.5J for Low Range.

Maximum voltage: 5200

Maximum Current: 100 Amp (H)

Sync. Time: 0-250 ms.

Waveform Output:

Real Time: Output 1000: 1

Stored:

Discharge waveform expanded 200:1 and is repeated 8 seconds. It can be viewed through the paddles and through the ECG High Level Output.

Pacemaker Analyzer:

◆ Transcutaneous:

Test Load: 50 Ohms (Fixed) and Variable 100 to 1000 Ohms user selectable.

Current: 1 to 200 mA

Accuracy: +/- 5% +. 5 mA

Pulse Width: 0.5 to 80 ms.

Accuracy: +/- 1% +.1 ms.

Refractory: 20 – 500 ms

Accuracy: +/- 2 % or +10ms

◆ Transvenous: A, V, and AV Seq.

Test Load: 500 Ohms +/-1%

Current: 1 to 25 mA

Accuracy: +/- 5% +. 5 mA.

Pulse Rate: 30 to 800 ppm.

Pulse Width: 0.5 to 80 ms.

Accuracy: +/- 1% +.1 ms.

Refractory: 20 – 500 ms

Accuracy: +/- 2 % or +10ms

Immunity Test: 50/60 Hz

ECG Arrhythmia Simulator:

ECG: Normal Sinus Rhythm

Rate: 30, 60, 90, 120, 240 BPM

Performance:

Sine, Square, Triangle and Pulse
Rate: 0.5 1, 2, 10, 15, 20, 25, 40 Hz.

Arrhythmias:

VFBC, VFBF, VTAC, AFIB
PVC, PVC1, PVC2, BGY, RBB
AFIB, ATRFT, NSR.

Waveform Output:

12 Lead ECG and Paddle and HI level Output Jacks.

Power Requirements:

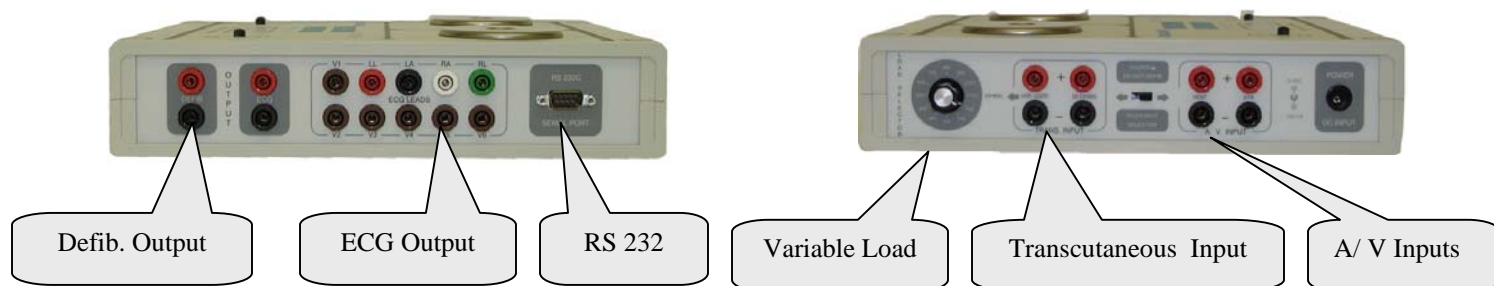
Two 9-Volt Alkaline Battery or AC adapter.

Dimensions:

10 x 11 x 2.25 inches (L x W x H)
(25.4 x 27.9 x 5.7 cm)

Weight:

4 lbs (1.9 Kg)



Accessories:

Standard:

AC Adapter, Universal Paddle Adapter, User Manual, Shrouded Banana Plugs (set of 2), Certificate of Calibration.

Optional:

Carrying Case, Paddle Adapters for various manufacturers. Please call Customer Service Department for part numbers.



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