

Defibrillator Analyzers - Three Models

DELTA 1500



Automated External Defib Analyzer

DELTA 1500 is a unique analyzer designed to verify the operation of any Automatic External Defibrillator including Schiller units - (Pulsed waveform).

The arrhythmia recognition and energy charge and discharge functions of the AED may be quickly and easily checked.

Compact, and battery operated. Auto function reverts the waveform back to normal ECG after discharge - thus saving the defibrillator battery life. Optional paddles for testing normal Defibrillators.

[More....](#)

For Product Updates Visit www.DefibrillatorAnalyzer.Com

DELTA 2000



Defibrillator Analyzer - Tests all Biphasic and AEDs

DELTA 2000, Defibrillator Analyzer is a full function Defibrillator Analyzer that tests all defibrillators including semi-automatic, automatic, and those with bi-phasic waveforms. Built-in normal ECG and Arrhythmia waveforms of the **DELTA 2000**, Defibrillator Analyzer make it easy for to test the latest generation of automatic defibrillators.

An input jack is provided to accept additional external arrhythmia waveforms for testing and verifying the waveform recognition of any automated external defibrillators.

[More....](#)

DELTA 3000



Defibrillator / Pacemaker Analyzer

DELTA 3000, Defibrillator Analyzer / Pacemaker Tester combines the complete testing functions of a Defibrillator Tester, a full 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** Defibrillator Analyzer / Pacemaker Tester.

DELTA 3000-A is software upgradable to include Atrial and Ventricular Pacemaker Analyzer. It is the only upgradable Defibrillator Analyzer in the market.

[More....](#)

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Defibrillator Analyzer

DELTA 1500



DELTA 1500 is the latest addition of our Defibrillator Analyzer. It is the ideal tester for AED's being used in ambulances, police cars, sports stadiums, aircraft, schools, malls, and other locations.

DELTA 1500 is a unique analyzer designed to verify the operation of any Automatic External Defibrillator. The arrhythmia recognition and energy charge and discharge functions of the AED may be quickly and easily checked.

DELTA 1500 simulates normal sinus rhythm, ventricular fibrillation, and ventricular tachycardia waveforms selected via soft touch keys. When the AED is discharged, the delivered energy is displayed in joules on the large LCD. An automatic test mode switches from VFIB to NSR after the energy discharge.

Features:

- Compact, Lightweight, and Rugged
- Simple, Menu Driven Operation
- Measures Delivered Energy
- Simulates Arrhythmia waveforms for Rhythm recognition.
- Automated test mode.
- User selectable waveforms- VTAC, VFIB, Normal Sinus
- Battery or AC Operation
- Two-Year Warranty



Specifications:

Waveforms: NSR @ 60 BPM, 1 mV Amplitude, Ventricular Tachycardia, Ventricular Fibrillation

Accuracy: 2% \pm 1 joule

Energy: 2 to 700 joules Load: 50 Ohms \pm 1 %

Interface: Banana Jack High Level Output.

Display: 4 Digit 0.5 inch LCD

Keypad: 4 Momentary Keys & LED's

Power: 9 Volt Alkaline Battery

Mechanical:

Case: ABS Plastic

Dimensions: 7.8" X 4.3" X 2" (19.7 X 10.8 X 5cm)

Weight: 1.3 lbs. (0.59 kgm)

Ordering Information:

Part Number	Description
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610	AED Analyzer with case
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610 -Case	Carrying Case
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*For Partnumbers for Interface Cables
Please call or e-amil sales@netech.org*



110 Toledo Street, Farmingdale, NY 11735, Phone: 631-531-0100, Fax: 631-531-0101

www.Netech.org **1-800-547-6557 (US)**

Defibrillator Analyzer

DELTA 2000



The **DELTA 2000**, Defibrillator Analyzer is a full function Defibrillator Analyzer that tests all defibrillators including semi-automatic, automatic, and those with bi-phasic waveforms.

Built-in normal ECG and Arrhythmia waveforms of the **DELTA 2000**, Defibrillator Analyzer make it easy for to test the latest generation of automatic defibrillators. An input jack is provided to accept additional external arrhythmia waveforms.

The **DELTA 2000**, Defibrillator Analyzer weighs only three pounds yet delivers unmatched performance. The simple to use instrument may be either battery operated or line operated. It allows in-house and field technicians to perform their tasks quickly and easily.

Features:

- Tests Bi - Phasic Defibrillators
- Large LCD display
- Built - in Arrhythmia Waveforms
- Internal Paddle Adapters
- Tests all AEDs
- Compact and Easy to use
- Built - in ECG Waveform
- Battery or AC Powered Operation

Specifications:

Energy Range:- High: 0 - 700 J, Low: 0 - 99.99 J

Resolution:- High Range: 1 J, Low Range: 0.01 J

Accuracy:- High Range: $\pm 2\%$ of the reading ± 0.1 J, Low Range: $\pm 2\%$ of the reading ± 2 J

Internal Test Load: 50 Ohms $\pm 1\%$

Cardio version Delay: ± 250 ms from Peak R, Accuracy: $\pm 1\%$ of FS ± 1 ms

Discharge Waveform:- Real Time: Voltage Attenuation 1000:1

Expanded Time: 1:200 repeated every 8 sec

Waveform Simulation:- Internal: ECG @ 60 BPM, VTAC, VFIB, and NSR @ 90 BPM

External: Waveform input through Input Jack

Pulse Width: 1 - 65 ms

Display: 4 Digit 0.5 inch LCD

Power Requirements: 9V Alkaline Battery Or AC Adapter

Dimension: 10.4 x 7.2 x 4.0 inches (26.4 x 18.2 x 10.2 cm)

Weight: 3 lbs (1.4 kg)

Ordering Information:

Part Number	Description
625	Defibrillator Analyzer
625-Case	Carrying Case

*For Partnumbers for Interface Cables
Please call or e-mail sales@netech.org*



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Defibrillator Analyzer

DELTA 3000



DELTA 3000, Defibrillator Analyzer / Pacemaker Tester is the latest addition of our Defibrillator Analyzer with full Pacer Tester and ECG Simulator built in.

DELTA 3000, Defibrillator Analyzer / Pacemaker Tester combines the complete testing functions of a Defibrillator Tester, a 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** Defibrillator Analyzer / Pacemaker Tester.

DELTA 3000, Defibrillator Analyzer / Pacemaker Tester tests all defibrillators including AEDs. It measures both monophasic and bi-phasic waveforms. It tests all external pacemakers including Transthoracic, Transvenous, and AV sequential models. It has 12 built-in user selectable test loads for Transthoracic pacing testing. The built-in ECG / Arrhythmia simulator allows performance testing of any ECG equipment.

Features:

- Compact, Lightweight, and Rugged
- Simple, Menu Driven Operation
- Large 4-line LCD
- Simultaneous Display of All Test Measurements
- Dedicated Print Key for Immediate Documentaion
- RS 232 Interface
- Battery or AC Operation
- Two-Year Warranty



Measurements:

- Measures: Energy, Peak Voltage, Peak Current, and Cardio Sync. Time
- Storage and Playback of output waveforms
- Tests all External Pacemakers - Transthoracic, Transvenous, and AV Pacers
- Measures: Amplitude, Rate, Pulse Width, Pulse Energy, Sensed and Paced Refractory Periods
- 50 and 60 Hz Immunity Tests
- Transthoracic Test Loads: Fixed 50 Ohm or 12 User Selectable Loads to 1000 Ohms
- A / V Pacer Test Load: 500 Ohm
- ECG Simulator:
 - Tests all ECG Equipment, 12 lead ECG, User Selectabel Rates and Amplitudes
 - Performance Waveforms: Sine, Square, Triangle, and Pulse, 12 Arrhythmias



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Defibrillator Analyzer

DELTA 3000

Specifications:

Defibrillator Analyzer

Energy Measurement: Load: 50 Ohm \pm 1 %

Range (High): 900 J, Res.1 J

Resolution: 1 Joules, Range (Low): 0 - 100

Resolution: 0.1 Joules, Accuracy: \pm 2% of the reading + 1 J for Hi Range or + 0.5 J for Low Range

Maximum Voltage: 5200 V

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 sec. It can be viewed through the paddles and through the ECG High Level Output

Pacemaker Analyzer

Transcutaneous:

Test Load: 50 Ohm (Fixed) and variable 100 to 1000 Ohms user selectable

Current: 1 to 200 mA, Accuracy: \pm 5% + 0.5 mA

Pulse Width: 0.5 to 80 ms, Accuracy: \pm 1% + 0.1 ms

Refractory: 20 - 500 ms, Accuracy: \pm 2% or + 10 ms

Atrial and Ventricular:

Test Load: 500 Ohms

Current: 1 to 25 mA, Accuracy: \pm 5% + 0.5 mA

Pulse Rate: 30 to 800 ppm, Accuracy: \pm 1% + 0.1 ms

Refractory: \pm 20 - 500 ms, Accuracy: \pm 2% or 10 ms

Immunity Test: 50 / 60 Hz

General

Power Requirements:

Two 9V Alkaline Batteries Or AC Adapter

Dimension:

10 x 11 x 2.25 inches (25.4 x 27.9 x 5.7 cm)

Weight: 4 lbs (1.8 kg)

Environmental:

Operating Temperature: 59° to 95° F (15° to 35° C), Storage Temperature: 32° to 131° F (0° to 55° C)

ECG Arrhythmia Simulator

ECG: Normal Sinus Rhythm.

Rate: 30, 60, 90, 120, 240

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 High Level Output

Ordering Information:

Part Number	Description
650 - A	Defibrillator / Pacemaker Analyzer with Transcutaneous A-V Pacer Analyzer
650	Defibrillator / Pacemaker Analyzer with Transcutaneous/Transvenous Analyzer

For Partnumbers for Interface Cables and Accessories Please call or e-amil Sales@netech.org



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