



OVERVIEW

The Delta 1600 is a precision, compact, and battery operated instrument for testing automated external defibrillators (AEDs). The Delta 1600 simulates various cardiac waveforms to ensure that the AED can detect, analyze and audibly advise shock. In addition to the shock advisory test, Delta 1600 measures discharged energy of the AED, thereby ensuring that the AED complies with specified requirements. The dedicated function keys and menu driven display on the unit makes it simple to operate.

The Delta 1600 has a built-in load resistance of 50 ohms to simulate the human body impedance. To establish electrical connection between the AED and the Delta 1600, manufacturer specific interface cables (contact us for custom cables) are required. The interface cable must be connected between the AED and input jacks on the unit. Once the AED is discharged, the Delta 1600 samples the pulse, calculates and displays the delivered energy.

The Delta 1600 is the ideal tester for AEDs that are used in ambulances, police cars, sports stadiums, aircraft, schools, malls, and other remote locations. Use of the 610-Paddle Adapter allows the Delta 1600 to be used on AEDs with reusable paddles. The Delta 1600 comes complete with a set of insulated banana jacks and a soft carrying case.

PRODUCT HIGHLIGHTS

- Unique, one-of-a kind instrument for testing all AEDs including Pulsed (Schiller AEDs)
- Compact, lightweight and easy-to-use
- Auto Function – Eliminates multiple discharges
- Large backlit Graphics Display
- Multiple Arrhythmia simulations
- 7.4 Volt Li-Ion Rechargeable battery
- Two-Year Warranty

ORDERING INFORMATION

Part No:

630 : Delta 1600 AED Tester

Standard Accessories:

630-Hard-Case : Hard Carrying Case

630-6383 : Open-ended interface cable

250-LI-BATTERY: Li-ion rechargeable battery

660-HHS-002: Li-ion Battery Charger

Energy Output:

Maximum Energy : 500 J
Display Resolution : Based on Auto Range
Resolution : 1 J
Accuracy : $\pm 1\%$ of reading ± 1

Load Resistance:

50 ohms $\pm 1\%$; non-inductive ($< 1 \mu\text{H}$)
Sampling Time : 20 μs
Measurement Time Window : 60 ms
Pulse Width : 60 ms

Patient Simulator:

Waveform Simulation: ECG (NSR),
ECG Rate: 60, 70, 80, 90, 100, 110, 120, 130, 140, 150, 160, 170, 180, 190, 200, 220, 240. BPM
Accuracy: $\pm 1\%$
Waveform Amplitude: ECG (AMP)
ECG Amplitude: 1.0, 2.0, 3.0, 4.0 mV
Accuracy: $\pm 5\%$ peak to peak

Arrhythmia Selections: (Shock Advisory Waveforms)

Ventricular Fibrillation Coarse (VFBC)
Ventricular Fibrillation Fine (VFBF)
Ventricular Tachycardia (VTAC)
Atrial Fibrillation (AFIB)

Temperature Range:

Operating : $+15^{\circ}\text{C}$ to $+35^{\circ}\text{C}$
Storage : 0°C to $+50^{\circ}\text{C}$.

Display:

Type: LCD with LED backlit graphics display

Power:

7.4 Volt Li-Ion Rechargeable Battery
100-230 VAC input 8.5V Battery Charger

Housing:

High impact ABS plastic enclosure

Dimensions:

D x W x H: 10.25 x 6.25 x 2.5 Inch

