

ZOLL AED Plus Defibrillator

The ZOLL® AED Plus® continues to set the benchmark for design, dependability, durability, and performance. Only half of sudden cardiac arrest victims will initially need a shock, but all require high-quality CPR. The AED Plus guides rescuers in performing high-quality CPR and will deliver a shock if needed.



Measuring Chest Compression with Real CPR Help

- The force required to depress the chest during CPR varies with the patient's size and build. The standard measure of chest compression quality, however, is not force but depth. The Real CPR Help® technology in ZOLL's CPR-D-padz® includes a hand-placement locator, an accelerometer, electronics, and a processing algorithm that work together to measure vertical displacement in space as each compression occurs.

One Size Fits All

- ZOLL's one-piece electrode design accounts for anatomical variation.

Five-Year Shelf Life

- All AED electrodes transmit defibrillating electricity into the patient via metal in close contact with a salt-infused gel that is positioned between the metal and the skin. ZOLL's novel electrode design includes a sacrificial element that prevents significant corrosion for five years, which is unmatched in the market today.

Weight: 6.7 lbs; 3.1 kg

Shock-to-Shock Cycle Time: Typically less than 20 seconds between shocks in a series.

Estimated 10-year cost: Estimated cost over 8 years when replacing pads and battery at years 6 and 10 is \$510

Warranty: 7 years

Options:

ZOLL Complete Pediatric Package:

Includes pediatric pads, soft carry case and fast response kit.

ZOLL Basic Package:

Only includes installed pads and battery plus soft carry case and fast response kit



AED Plus Specifications

Defibrillator

Waveform: Rectilinear Biphasic

Defibrillator Charge Hold Time:
30 seconds

Energy Selection: Automatic preprogrammed selection (120J, 150J, 200J)

Patient Safety: All patient connections are electrically isolated

Charge Time: Less than 10 seconds with new batteries

Electrodes: ZOLL CPR-D-padz, pedi-padz® II or stat-padz® II

Self-test: Configurable automatic self-test from 1 to 7 days. Default = every 7 days. Monthly full-energy test (200J).

Automatic Self-Test Checks: Battery capacity, electrode connection, electrocardiogram and charge/discharge circuits, microprocessor hardware and software, CPR circuitry and CPR-D sensor, and audio circuitry

CPR: Metronome Rate: Variable 60 to 100 CPM

Depth: 3/4" to 3.5"; 1.9 to 8.9 cm

Defibrillation Advisory: Evaluates electrode connection and patient ECG to determine if defibrillation is required

Shockable Rhythms: Ventricular fibrillation with average amplitude >100 microvolts and wide complex ventricular tachycardia with rates greater than 150 BPM for adults, 200 BPM for pediatrics. For ECG Analysis Algorithm sensitivity and specificity, refer to AED Plus Administrator's Guide.

Patient Impedance Measurement Range: 0 to 300 ohms

Defibrillator: Protected ECG circuitry

Display Format: Optional LCD with moving bar

Size: 2.6" x 1.3"; 6.6 cm x 3.3 cm

Optional ECG Viewing Window: 2.6 seconds

Optional ECG Display Sweep Speed: 25 mm/sec; 1"/sec

Battery Capacity: Typical new (20°C) = 5 years (225 shocks) or 13 hours continuous monitoring. End of life designated by Red X (typical remaining shocks = 9).

Data Recording and Storage: 50 minutes of ECG and CPR data. If audio recording option is installed and enabled, 20 minutes of audio recording, ECG, and CPR data. If audio recording is disabled, 7 hours of ECG and CPR data.

PC Minimum Requirements For Configuration and Patient Data Recovery: Windows® 98, Windows® 2000, Windows® NT, Windows® XP, Windows® 7, IBM-compatible PII with 16550 UART (or higher) computer. 64MB RAM. VGA monitor or better. CD-ROM drive. IrDA port. 2MB disk space.

Device

Size: (H x W x D) 5.25"x 9.50" x 11.50"; 13.3 cm x 24.1 cm x 29.2 cm

Weight: 6.7 lbs; 3.1 kg

Power: User-Replaceable Batteries. 10 Type 123A Photo Flash lithium manganese dioxide batteries

Device Classification: Class II and internally powered per EN60601-1

Design Standards: Meets applicable requirements of UL 2601, AAMI DF-39, IEC 601-2-4, EN60601-1, IEC60601-1-2

Environmental

Operating Temperature: 32° to 122°F; 0° to 50°C

Storage Temperature: -22° to 140°F; -30° to 60°C

Humidity: 10 to 95% relative humidity, non-condensing

Vibration: MIL Std. 810F, Min. Helicopter Test

Shock: IEC 68-2-27; 100G

Altitude: -300 to 15,000 ft.; -91 m to 4573 m

Particle and Water Ingress: IP-55

CPR-D-padz

Shelf Life: 5 years

Conductive Gel: Polymer Hydrogel

Conductive Element: Tin

Packaging: Multilayer foil laminate pouch

Impedance Class: Low

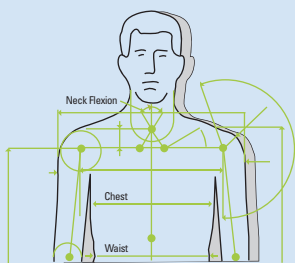
Cable Length: 48 in (1.2 m)

Sternum: Length: 6.1 in (15.5 cm); Width: 5.0 in (12.7 cm); Length, conductive gel: 3.5 in (8.9 cm); Width, conductive gel: 3.5 in (8.9 cm); Area, conductive gel: 12.3 sq in (79.0 sq cm)

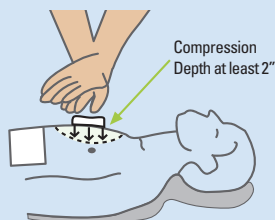
Apex: Length: 6.1 in (15.5 cm); Width: 5.6 in (14.1 cm); Length, conductive gel: 3.5 in (8.9 cm); Width, conductive gel: 3.5 in (8.9 cm); Area, conductive gel: 12.3 sq in (79.0 sq cm)

Complete Assembly: Folded Length: 7.6 in (19.4 cm); Folded width: 7.0 in (17.8 cm); Folded height: 1.5 in (3.8 cm)

Design Standards: Meets applicable requirements of ANSI/AAMI/ISO DF-39-1993



Real CPR Help® provides unique assistance to rescuers with real-time feedback on CPR compression depth and rate.



ZOLL's one-piece CPR-D-padz is designed to fit 99% of the population's chest anatomy.



CPR-D-padz offers clear anatomical placement illustrations and a CPR hand positioning landmark.



CPR-D-padz comes complete with rescue essentials, including a barrier mask, a razor, scissors, disposable gloves, and a towelette.

ADVANCING RESUSCITATION. TODAY.®

ZOLL Medical Corporation
Worldwide Headquarters
269 Mill Road
Chelmsford, MA 01824
978-421-9655
800-348-9011

For subsidiary addresses and fax numbers, as well as other global locations, please go to www.zoll.com/contacts.

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