

AED Plus®

A Full-Rescue AED for Professionals



ZOLL®

ZOLL AED Plus Professional Interface

The AED Plus® is available with a professional interface that includes minimal front-panel graphics, yet still provides the necessary voice and text prompts for a full rescue. It is the first and only automated external defibrillator (AED) that guides rescuers through the complete Chain of Survival.

When a victim collapses from sudden cardiac arrest, rescuers do not know whether defibrillation or CPR is the appropriate therapy until an AED is attached and the victim's heart rhythm is analyzed. About half of all cardiac arrest victims that suddenly collapse initially require defibrillation. For other victims, however, who may have non-shockable heart rhythms, the critical action for survival is effective CPR.

The AED Plus is the only AED with Real CPR Help®. It helps rescuers perform effective CPR because it allows them to see and hear how well they are performing the rate and depth of chest compressions during CPR. This real-time feedback mechanism makes the AED Plus the only AED that can help assess and treat nearly every sudden cardiac arrest victim, making it the only Full-Rescue AED available today.

Five-Year Shelf Life

Infrequently used AEDs demand electrodes that require infrequent replacement. Most AED electrodes on the market today will corrode or expire before they are used.

ZOLL® CPR-D-padz® is designed to control corrosion and allow for an unmatched five-year lifespan. This reduces electrode replacement costs, facilitates AED readiness and maintenance, and decreases the probability of an AED failure due to electrode expiration.

In addition, the CPR-D-padz comes complete with barrier mask, scissors, disposable gloves, prep razor, towel, and moist towelette.



ZOLL AED Plus Specifications

Defibrillator

Waveform: ZOLL Rectilinear Biphasic™

Defibrillator Charge Hold Time: 30 seconds

Energy Selection: Automatic pre-programmed selection (Adult Mode: 120J, 150J, 200J; Pediatric Mode: 50J, 70J, 85J).

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.

Built-in Defibrillator Self Test: Included

CPR: Metronome Rate: Variable 60 to 100 CPM
Depth: 3/4" to 3"; 1.9 to 7.6 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

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

Battery Capacity: Typical new (20°C) = stand-by life with batteries installed: 5 years (300 ±5 continuous shocks: 250 ±5 shocks before "change battery" indicator and 50 ±5 shocks after "change battery" indicator) or 13 hours of continuous monitoring time. For AED Plus units running software version 5.32 or higher, replace batteries every 5 years, or if unit prompts. For earlier versions, please replace batteries every 3 years.

PC Minimum Requirements for Configuration and Patient Data Recovery: Windows® 98, Windows® 2000, Windows® NT, Windows® XP, IBM compatible PII with 16550 UART (or higher) computer. 64MB RAM. VGA monitor or better. CD-ROM drive. IrDA port. 20MB 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.

Environment

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

Storage Temperature: -22° to 158°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.; -91m to 4573m

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: 43 in (1.1 m)

Stemum: 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.

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Printed in U.S.A. 051010 9656-0174

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