

ZOLL AED 3™



Technical Specifications

Easy to Use

More powerful images, combined with synchronized voice and text prompts, help guide the responder through the rescue. The ZOLL AED 3™ defibrillator also provides detailed CPR guidance with Real CPR Help®, featuring an enhanced bar gauge that enables real-time feedback on the quality of CPR being provided. High-quality CPR is essential to saving a life, but how do you know if you are pushing hard enough and fast enough? Real CPR Help eliminates the guesswork.

Pediatric rescue is made easier with ZOLL's unique CPR Uni-padz™ and a child button that allows a rescuer to change the settings on the AED from adult to child with the push of a button. The ZOLL AED 3 can also be positioned to lay flat or stand up for maximum visibility from any angle. With a design based on extensive usability studies of both trained and untrained responders, the ZOLL AED 3 is easy to use by any rescuer.

Easy to Own

Because the ZOLL AED 3 is equipped with an industry-leading battery that lasts up to five years, as well as ZOLL's CPR Uni-padz, which have a shelf life of five years and can be used in both adult and pediatric rescues, less-frequent maintenance and replacement of consumables is needed, making it easier to own and providing the lowest cost of ownership once installed*.

Easy to Maintain

Every ZOLL AED 3 is equipped with Program Management Onboard™ for seamless communication with PlusTrac™ program management through your wireless network. Once registered in PlusTrac and connected to a WiFi network, your ZOLL AED 3 will automatically report its readiness status to your individual PlusTrac AED Program. Should a self-test fail, or if it fails to report when scheduled, PlusTrac sends you an email alert so you can take the appropriate corrective action. The ZOLL AED 3 is easy to maintain because it does the work of monitoring the readiness status of your device for you.

*The AED 3 has the lowest cost of ownership once installed when pediatric pads are taken into consideration. If deployed for adult patients only, it has the second lowest cost of ownership to the ZOLL AED Plus®.



Real CPR Help® assists rescuers during rescues with real-time feedback on chest compression rate and depth.



Program Management Onboard™ connects via Wi-Fi to the PlusTrac™ AED program management system for immediate email notifications.



Push the Child Button for pediatric rescue with CPR Uni-pad™.



CPR Uni-pad can be used universally on both adult and child patients, are the only pads that last 5 years, and also include an integrated rescue kit.

**ADVANCING
RESUSCITATION.
TODAY.®**

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ZOLL AED 3 Specifications

Defibrillator

Protocol: Semiautomatic and Fully Automatic configuration

Waveform: ZOLL Rectilinear Biphasic™

Defibrillator Charge Hold Time: 30 seconds; ZOLL AED 3 Automatic model: 3 seconds prior to automatic shock delivery

Energy Selection: Factory preprogrammed selection (Adult: 120 J, 150 J, 200 J; Child: 50 J, 70 J, 85 J)

Patient Safety: All patient connections are electrically isolated

Charge Time: Less than 10 seconds with new battery

Pre-shock Pause: 8 seconds with new battery

Electrodes: ZOLL CPR Uni-padz™

Self-test: Configurable automatic self-test every day or every 7 days. Default: every 7 days. Monthly full-energy test (200 J).

Automatic Self-test Checks: Battery capacity, status and expiration; electrode connection and expiration; ECG and charge/discharge circuits; microprocessor hardware and software; CPR circuitry and pads sensor; audio circuitry

Compression Depth: 1.9 cm to 10.2 cm; 0.75 in to 4 in (adult patients only)

Defibrillation Advisory: Evaluates defibrillation pad 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 paediatrics. For ECG analysis algorithm sensitivity and specificity, refer to AED 3 Administrator's Guide.

Patient Impedance Measurement Range: 10 to 300 ohms

Defibrillator: Protected ECG circuitry

Display Format: High-resolution LCD with capacitive touch panel

Display Screen Size: 5.39 cm x 9.5 cm; 2.12 in x 3.74 in

Data Recording and Storage: User-configurable for 1 or 2 clinical events for total of 120 minutes. Includes ECG, impedance measurements, device prompts and CPR data.

Data Recovery: Controlled by touchscreen, uploaded to USB memory stick, or ZOLL Case Review™ over a Wi-Fi network

Internal Clock Synchronisation: Coordinated Universal Time (UTC) synchronisation occurs when communicating with the ZOLL Online server.

Device

Size: (H x W x D) 12.7 cm x 23.6 cm x 24.7 cm; 5.0 in x 9.3 in x 9.7 in

Weight: 2.5 kg; 5.5 lbs (with battery)

Power: Battery

Wireless: 802.11 a/b/g/n

Security Protocols: WPA 1, WPA 2, WPA Personal, WPA Enterprise

Port: USB 2.0

Rescue Accessory Pack Contents: Non-latex gloves, a CPR barrier mask, razor, paper towel, and towelette.

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

Design Standards: Meets applicable requirements of EN 60601-1, IEC 60601-1-11, IEC 60601-2-4

Environmental

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

Storage Temperature: -30° to 70°C; -22° to 158°F

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

Vibration: IEC 60068-2-64, Random, Spectrum A.4, Table A.8, Cat 3b; RTCA/DO-160G, Fixed Wing Aircraft, Section 8.6, Test Cat. H, Aircraft Zone 1 and 2, EN 1789, Sweep per EN 60068-2-6 Test Fc.

Shock: IEC 60068-2-27; 100G

Altitude: -381 m to 4573 m; -1250 to 15,000 ft

Particle and Water Ingress: IP55

Drop Test: 1 metre; 3.28 feet

Battery

Type: Disposable, sealed lithium manganese dioxide

Battery Standby Life (once installed): 5 years with weekly self-test. End of life indicated by blank status window (typical remaining shocks: 9).

Battery Shelf Life: Store for up to 2 years at 23°C (77°F) prior to installing in AED 3 to maintain above battery life.

Temperature : 0°C to 50°C (32°F to 122°F)

Humidity: 10% to 95% (non-condensing)

Weight: 317.5 grams; 0.7 lbs

Size: (H x W x D) 27.75 mm x 133 mm x 88 mm; 1.0 in x 5.16 in x 3.5 in

Nominal Voltage: 12 volts

CPR Uni-padz

Shelf Life: 5 years

Conductive Gel: Polymer Hydrogel

Conductive Element: Tin

Packaging: Multilayer foil laminate pouch

Impedance Class: Low

Cable Length: 142 (+/-3.8) cm; 56 (+/- 1.5) in

Design Standards: Meets requirements of IEC 60601-2-4, 2010

Specifications subject to change without notice.

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Printed in U.S.A. MCN CP 1611 0032-06

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