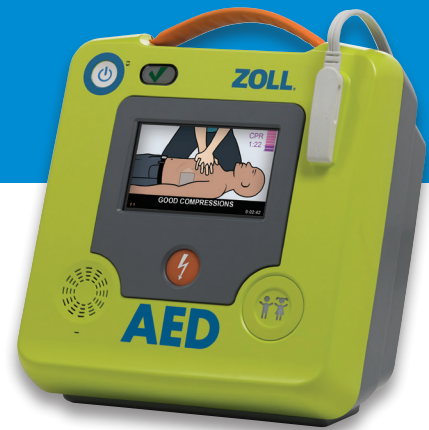


ZOLL AED 3™

Technical Specifications



Improved Real CPR Help®

High-quality CPR is key to saving a life, but how do you know if you are pushing hard enough and fast enough? With Real CPR Help, you know. It guides rescuers to provide compressions that meet the current Guidelines for rate and depth. Voice prompts tell rescuers when they should “Start CPR” and when they need to “Push harder.” In addition, a constant-click metronome guides the compression rate.

Program Management Onboard™

Every AED 3 is equipped with Wi-Fi for seamless communication with your wireless network. Easily link your AED 3 to ZOLL’s PlusTrac™ AED Programme Management System to monitor its status. At the conclusion of every automatic self-test (daily or weekly), your AED 3 reports results to PlusTrac. If the self-test fails, or if your AED 3 fails to report when scheduled, PlusTrac lets you know immediately.

Push Child Button for Paediatric Rescue

The CPR Uni-padz are truly universal. No need to keep an extra set of paediatric pads on hand in case the victim is a child. No need to change pads to move from one rescue type to another. No key needed either. If the victim is a child, just push the Child button. (When Child Rescue is selected, Real CPR Help omits the voice prompts and provides only the metronome when it detects compressions.)

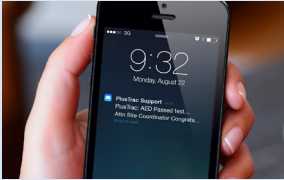
CPR Uni-padz with Five-year Shelf Life

AED electrodes typically conduct defibrillating electricity into the patient via a metal plate coated with a salt-infused gel. Over time, the salt in the gel will corrode the metal plate and eventually compromise conductivity. ZOLL’s novel electrode design prevents compromising corrosion for five years.

ZOLL®



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 programme management system for immediate email notifications.



Push the Child Button for paediatric rescue with CPR Uni-padz™.



The Rescue Accessory Pack contains CPR barrier mask, razor, disposable gloves, paper towel and towelette.

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, 75 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

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, 3 years with daily self-test; 3 years* with weekly self-test when auto Wi-Fi self-test report is on (PlusTrac Cloud Connection); 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

ADVANCING RESUSCITATION. TODAY.®

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*Battery standby life will be shorter in areas with low Wi-Fi signal strength and/or more complex Wi-Fi authentication protocols. Specifications subject to change without notice.

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