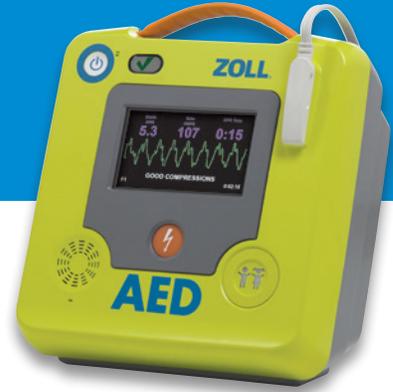


ZOLL AED 3™ BLS



Technical Specifications

Even better support for professional rescuers

The ZOLL AED 3 BLS provides improved Real CPR Help®, which measures the actual depth and rate of each compression and displays it on the CPR Dashboard™. In addition, the CPR Dashboard shows the elapsed time since power on, remaining time countdown for the current CPR cycle, number of shocks delivered, and the patient's current ECG. If the victim is a child, you can switch from adult to child rescue on-the-fly simply by pushing the Child button and repositioning the universal CPR Uni-padz™ electrodes. The ZOLL AED 3 BLS conducts a child-specific analysis and provides visual rate and depth feedback via the CPR Dashboard. And to ensure optimal visibility, the ZOLL AED 3 BLS can be used/positioned flat or upright like an ALS device.

Better debriefing

The 2015 CPR Guidelines state that “Data-driven performance-focused debriefing has been shown to improve performance of resuscitation teams. We highly recommend their use for teams managing patients in cardiac arrest.”¹ Using ZOLL Online CaseReview™, detailed rescue performance data can be exported quickly and easily via USB or transferred directly over WiFi. Data on CPR rate, depth, release velocity, and compression fraction can easily be evaluated and used to improve future responder performance.

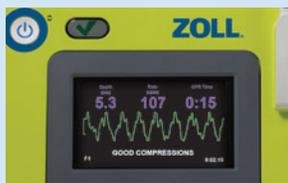
Better data management

Providing hospital personnel with fast and accurate information on timing, therapy provided, and ECG data can potentially have a profound impact on patient outcomes. ZOLL's CaseReview enables fast and easy distribution of event and ECG data via USB or WiFi. CaseReview also allows responders and physicians to collect, aggregate, manage, and interpret clinical data.

State-of-the-art technology

The ZOLL AED 3 BLS has an IP55 rating for use in demanding environments and technology advances that provide exceptional support for first responders. Real-time feedback on CPR performance is clearly displayed on the CPR Dashboard, while CPR Uni-padz eliminate the need for separate adult and pediatric electrodes. USB connectivity enables simple and fast configuration of multiple devices using a USB drive. Clock synchronization allows accurate case reporting, and an intelligent battery provides the current power level.

¹Resuscitation. 2015;95:288-301.



The metrics of RCPRH can be seen on the dashboard.



A sensor in the CPR Uni-padz electrodes senses and reports the motion of rescuers' chest compressions to the AED.



Push the Child button to invoke the pediatric heart analysis algorithm and reduce energy delivered.



The ZOLL AED 3 BLS carry bag holds everything needed for fast defibrillation and high-quality CPR.

ADVANCING RESUSCITATION. TODAY.®

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ZOLL AED 3 BLS Specifications

Defibrillator

Protocol: Semiautomatic

Waveform: ZOLL Rectilinear Biphasic™

Defibrillator Charge Hold Time: 30 seconds

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

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: User-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

CPR Metronome Rate: Constant 105 (+/- 2) CPM

Depth Measurement: 1.9 cm to 10.2 cm; 0.75 in to 4 in

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 the ZOLL 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

Display Sweep Speed: 25 mm/sec

Display Viewing Speed: 3.84 seconds

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. With voice recording enabled, same data with synchronous audio added for total of 60 minutes.

Data Recovery: Controlled by touchscreen, uploaded to USB memory stick, or RescueNet CaseReview, over a WiFi 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: Lithium manganese dioxide battery pack

Wireless: 802.11 a/b/g/n

Security Protocols: WPA1, WPA 2, WPA Personal, WPA Enterprise

Port: USB 2.0

Audio Recording: User-configurable on/off (default=off)

Device Classification: Class II and internally powered per EN 60601-1

Design Standards: Meets applicable requirements of EN 60601-1, EN 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; EN1789, Sweep per EN 60068-2-6 Test Fc

Shock: IEC 60068-2-27; 100G

Altitude: -381 m to 4573 m; 1,250 to 15,000 ft

Particle and Water Ingress: IP55

Drop Test: 1 meter; 3.28 ft

Battery

Type: Disposable, sealed lithium manganese dioxide

Battery Standby Life (once installed): 5 years with weekly self-test. Battery 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 ZOLL AED 3 BLS to maintain battery life detailed above.

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

AED 3 BLS Carry Bag

Size: (H x W x D) 29.2 cm x 27.4 cm x 17.8 cm; 11.5 in x 10.8 in x 7.0 in

Weight: 3.4 kg; 7.5 lbs (ZOLL AED 3 BLS with battery installed and CPR Uni-padz pre-connected in carry bag)

Holds: AED 3 BLS with battery inserted and back-up set of CPR Uni-padz

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

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