

# AEDPRO®

realCPR help® see-thruCPR™



With innovative Real CPR Help®, See-Thru CPR™, and ECG monitoring, the ZOLL® AED Pro® is a durable and dependable AED that exceeds all performance expectations.

**ZOLL**  
Advancing Resuscitation. Today.®

## AED Pro

Rugged construction and exceptional durability support the needs of Basic Life Support providers as well as the needs of tiered systems and the professional rescuer.

- Unrivaled battery and electrode compatibility with ZOLL's line of professional defibrillators.
- Superior Design and Construction: IP55 Dust/Water Ingress rating and passes 1.5 Meter Drop Test.
- Manual Override and See-Thru CPR option satisfies advanced life support functions.
- Internal Event Memory Storage, with external USB data stick transfer and storage capability.
- Lead II ECG monitor with 3-lead cable.
- Easily configurable to local protocols with ZOLL Administrative Software (ZAS).
- Intelligent pediatric capability with ZOLL's **pedi•padz**<sup>®</sup> II.

### ZOLL Medical Corporation Worldwide Headquarters

269 Mill Road  
Chelmsford, MA 01824  
978-421-9655  
800-348-9011

### ZOLL Worldwide Offices

Australia  
+61 2 8424 8700  
www.zoll.com.au

Austria  
+43 650 413 6222  
www.zollmedical.at

Canada  
905-629-5005  
www.zoll.com

China  
+86 21 6226 9505  
www.zoll.com

France  
+33 (1) 30 05 14 98  
www.zoll.fr

Germany  
+49 2236 87 87 0  
www.zollmedical.de

Middle East and Africa,  
+96 278 800 4411  
www.zoll.com

The Netherlands  
EU Authorized Representative  
+31 (0) 488 41 11 83  
www.zoll.nl

Russia  
+7495 936 2338  
www.zoll.com

United Kingdom  
+44 (0) 1928 595 160  
www.zoll.com

For subsidiary addresses and fax numbers, as well as other global locations, please go to [www.zoll.com/contacts](http://www.zoll.com/contacts).

## Rugged Construction, Advanced Capabilities

Designed with advanced capabilities, the ZOLL AED Pro supports Basic Life Support as well as Advanced Life Support professionals. A high-resolution LCD display allows responders to visualize a patient's ECG.

### Real CPR Help

The AED Pro is the first defibrillator designed for professional responders with real-time feedback on CPR chest compressions. ZOLL's unique real-time feedback mechanism, Real CPR Help, includes a metronome set at the AHA recommended 100 bpm and a screen display that helps rescuers achieve optimum rate and depth of compression levels through audible and/or visual prompts.

### See-Thru CPR

When the AED Pro is in manual mode and CPR chest compressions are being performed, See-Thru CPR is activated. See-Thru CPR reduces interruptions by allowing clinicians to see organized electrical activity while CPR compressions are being performed by filtering out compression artifact ("noise"). This allows rescuers the ability to see a patient's underlying cardiac rhythm during resuscitation efforts and eliminates the need to stop compressions to see if defibrillation was successful.

## AED Pro Specifications

### ECG Monitoring

*Patient Connection:* 3-lead ECG cable.

*Input Selection:* Fully defibrillator protected.

*ECG Size:* Automatic Control (AGC) gain.

*Heart Rate:* 30-300 bpm  $\pm$ 5%.

### Display

*Screen Type:* High-resolution LCD display.

*Screen Size:* 3.02 inches W x 2.27 inches H.

*Sweep Speed:* 25 mm/sec.

*Viewing Time:* 3 seconds.

*Displayed Information:* Heart rate, ECG waveform, text prompts, CPR bar graph, battery gauge, elapsed time, number of shocks delivered.

### Event Documentation

*Type:* Internal non-volatile memory.

*Memory Capacity:* With audio recording enabled, 20 minutes of ECG, operator and device actions; without audio recording, 1.45 hours each for 4 patient records or up to 5.8 hours for a single record of ECG and event data. Expanded external data storage and transfer available with optional USB memory stick.

*Event Review & Reporting:* RescueNet<sup>®</sup> Code Review software version 3.30 or higher.

*Communications:* IrDA infrared wireless for communication with personal computer or external USB memory stick transfer.

### Defibrillator

*Waveform:* ZOLL Rectilinear Biphasic™ waveform.

*Energy:* 50, 70, 85 (pediatric), 120, 150, 200 joules (adult) preconfigured.

*Charge Time:* Less than 10 seconds with a new fully charged battery. Depleted batteries will result in a longer defibrillator charge time.

*Energy Display:* Monitor display indicates selected energy in manual mode only.

*AED Function:* Auto analyze and charge x3 with programmable auto energy level selection, screen prompts, and voice prompts.

*Electrodes:* One-piece **CPR-D•padz**<sup>®</sup>, **CPR stat•padz**<sup>®</sup>, **stat•padz**<sup>®</sup> II, and Pediatric

**pedi•padz**<sup>®</sup> II. **CPR-D•padz** one-piece electrode and **CPR stat•padz** two-piece electrodes provide Real CPR Help for rate and depth of CPR chest compressions.

*Manual:* Energy selection user configurable, 120, 150, 200 J adult and 50, 70, 85 J pediatric.

*Semi-Automatic:* Evaluates electrode connection and patient ECG to determine if defibrillation is required.

*Shockable Rhythms:* Ventricular fibrillation with amplitude >100 uV and wide complex ventricular tachycardia with rates greater than 150 bpm (adult) and greater than 200 bpm (pediatric).

*Defibrillation Pads Impedance Measurement Range:* 10-300 ohms.

*Prompts:* Audible voice prompts and text messages guide user through complete sequence of operation. Text prompts are always displayed. With ZAS, user can configure voice prompts on/off.

*Controls:* ON/OFF, Shock, Softkeys.

### Configurability

*ZOLL Administration Software (ZAS):* Allows user to manually adjust the configuration of the AED Pro to desired medical protocol or direction.

*Analyze OPTIONS:* User can configure the ability to analyze a patient during the CPR period by depressing a softkey.

*CPR Duration:* User can configure CPR duration from 30 seconds to indefinite, depending on protocol. User also has the ability to configure the AED Pro to "start with CPR", which when turned on will prompt the rescuer to perform CPR prior to analyzing the patient.

*Voice Prompts:* User can adjust wording (limited options) and/or turn on/off voice prompts. Note: Text prompts are always displayed.

*Shock Energy:* Adjust shock energy level for semi-auto mode, for both adult and pediatric modes.

### Battery Options

*Type:* SurePower™ Lithium Ion Rechargeable Battery.

*Recharge Time:* 4 Hours for fully depleted battery when charged in the SurePower Charger Station.



The AED Pro uses ECG electrodes for patient monitoring and care, with audible and text warnings for a shockable rhythm or low heart rate.



AED Pro LCD provides clear and easily readable information for all levels of rescuers.

*Operating Time:* A fully charged battery pack can deliver 400 shocks at a maximum energy (200 joules) or perform 19 hours of continuous monitoring.

*Type:* Rechargeable, sealed lead acid.

*Recharge Time:* 4 hours or less with a ZOLL Power-Charger 4x4 or 1x1 Battery Charger.

*Operating Time:* For a new, fully charged battery pack at 20° C: 170 defibrillator discharges at maximum energy or 6 hours continuous ECG monitoring.

*Type:* Sealed, disposable lithium manganese.

*Operating Time:* 300 defibrillator charges at maximum energy or 13 hours continuous ECG monitoring.

### General

*Size:* 3 in (7.6 cm) x 9.2 in (23.5 cm) x 9.4 in (23.9 cm) deep.

*Weight:* < 6.5 lbs with disposable battery and electrodes (2.9 kg). Design Standards: Meets or exceeds AAMI DF-80, EN 60601-1, EN 60601-1-2.

*Patient Safety:* All patient connections are electrically isolated.

### Environmental

*Operating Temperature:* 0° C to 50° C.

*Storage and Shipping Temperature:* -30° C to 70° C.

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

*Vibration:* MIL Std. 810F, Minimum Helicopter Test.

*Shock:* IEC 68-2-27; 100G.

*Drop Test:* 1.5m per IEC 68-2-32.

*Material/Water Ingress:* IEC 60529, IP55.

*Electromagnetic Compatibility (EMC):* CISPR; 11 Class B Rated and Conducted Emissions.

*Electromagnetic Immunity:* AAMI DF-80; IEC 60601.

*Electrostatic Discharge:* IEC 61000-4-2.

*Conducted Susceptibility:* IEC 61000-4-6.

*Options:* Vinyl Foam-Molded Carry Case for added protection; external IrDA port; wall sign.



Specifications subject to change without notice.

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