

# AED Pro<sup>®</sup> A-W

A Durable AED that Exceeds All Military Performance Expectations



**ZOLL**<sup>®</sup>

## AED Pro A-W

Rugged construction and exceptional durability exceed all military performance expectations, supporting the needs of basic life support providers, professional rescuers, and tiered systems.

- Superior design and construction: IP55 dust/water ingress rating and passes 1.5 meter drop test.
- Manual override and See-Thru CPR® option satisfy advanced life support functions.
- Internal event memory storage, with external transfer and storage capability via a USB data stick.
- Lead II ECG monitor with 3-lead cable.
- Easily configurable to local protocols with ZOLL Administrative Software (ZAS).



The LCD screen of the AED Pro A-W provides clear and easy-to-read information for all levels of rescuers.

## ADVANCING RESUSCITATION. TODAY.®

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## Tested and Approved for Use by the US Military

The AED Pro® A-W has received airworthiness certification from the US Army for use on all MEDEVAC helicopters. It offers the same functionality and operability as the AED Pro, with enhancements that meet the rigors of combat flight situations.

## The Only AED with Real CPR Help and See-Thru CPR

The AED Pro A-W 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 American Heart Association (AHA) recommended 100 bpm and a screen display that helps rescuers achieve optimal rate and depth of compression levels through audible and/or visual prompts.

When the AED Pro A-W 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.

## AED Pro A-W Specifications

### ECG Monitoring

*Patient Connection:* 3-lead ECG cable.

*Input Selection:* Fully defibrillator protected.

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

*Heart Rate:* 30-300 bpm ±5%.

### Display

*Screen Type:* High-resolution LCD display.

*Screen Size:* 3.02 in (7.7 cm) W x 2.27 in (5.8 cm) 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® 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:* Airworthy Certified: CPR-D-padz® and stat-padz® II with ferrite.

*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-automatic mode, for both adult and pediatric modes.



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

### Battery Options

*Type:* Airworthy Certified: 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, 200 V/MV

*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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