

# CardioVive AT AED

## Defibrillator

Advanced AED technology saves lives, making it the standard of care

*Every year approximately 450,000 people in the United States die from Sudden Cardiac Arrest (SCA). Delivery of a defibrillation shock quickly during an episode is critical to survival. For each minute that passes, the chance of survival decreases by approximately 7–10 percent. The American Medical Association and JCAHO recommend that AEDs be used as the standard of care to treat SCA. The CardioVive® AT AED can provide defibrillation therapy to treat SCA and also provide continuous patient monitoring during and after resuscitation.*

- RescueReady technology provides both a visual (red/green) signal and audible beep if the unit senses that maintenance is required
- Pre-connected electrodes are stored inside the CardioVive AT AED, eliminating confusion and errors
- Electrodes are non-polarized enabling them to be used in either position on a victim's chest
- Pediatric capable<sup>1</sup>
- Battery operation is covered by a 4-year full replacement guarantee

### Easy Operation Saves Precious Seconds

The most important determinant in the survival of SCA victims is the length of time between onset of the event and delivery of the defibrillating shock. With every minute that passes, the chances of survival decrease 7-10 percent. Every second to help is precious.

- The one-button operation eliminates confusion and chance of error
- Clear voice prompts give simple instructions for use. CardioVive AT AEDs are available in a variety of languages for international use.
- Provides instruction for combining defibrillation with CPR in accordance with the using the 2005 American Heart Association/European Resuscitation Council CPR and Emergency Cardiac Care Guidelines.
- Pre-connected, non-polarized electrodes can save operator time
- Green indicator tells the user that the CardioVive AT is RescueReady

### Administers the Appropriate Energy Level with Each Shock

Optimizing energy delivery is the key to successful defibrillation. The CardioVive AT AED provides customized energy with each shock it delivers.

- STAR™ Biphasic technology quickly assesses the victim, adjusts defibrillation parameters and delivers the most effective energy level
- Variable, escalating energy protocols deliver the appropriate amount of energy to a patient if multiple shocks are necessary
- Software can be customized by a medical professional to follow defibrillation protocols for SVT, VT and VF

### Features

- Automatic daily self-test ensures safe, reliable operation
- Pre-connected, non-polarized, disposable pads eliminate confusion by saving critical time
- The CardioVive AT AED is as easy to use as:
  1. Open Cover
  2. Open Electrode Package
  3. Place Electrodes on Bare Chest
  4. Push Button as Directed
- Patented biphasic waveform measures impedance and adjusts to deliver appropriate defibrillation level
- Advanced technology differentiates between shockable life-threatening cardiac rhythms and non-shockable arrhythmia events



### RescueReady

The Burdick CardioVive AT performs automatic self-tests to ensure it is RescueReady®

- Proprietary RescueReady technology automatically tests the battery, system components and pre-connected electrodes daily for both presence and function
- Monthly, the CardioVive AT AED performs an automatic full-charge test of high voltage circuitry

**BURDICK®**

# CardioVive AT AED

## TECHNICAL SPECIFICATIONS

Dimensions	10.6" W x 12.4" D x 3.3" H (27 cm x 31 cm 8 cm)
Weight	6.6 lbs (3.10 kg) including battery and electrodes base model
Defibrillator	<b>Operation:</b> Semi-automatic; <b>Waveform:</b> Biphasic truncated exponential; <b>Energy (J) range available:</b> Escalating variable energy (VE) levels (105J to 360J); <b>Number of protocols:</b> 5; aligned with 2005 AHA/ERC guidelines; <b>Factory default (Nominal):</b> 200VE second and subsequent shocks at 300VE; <b>Controls:</b> Single-button operation; <b>Voice prompts:</b> Comprehensive voice instructions guide user through rescue process; <b>Text screen:</b> Displays written instructions to guide user through rescue process; <b>Indicators:</b> RescueReady status, electrodes indicator, SmartGauge battery status, service indicator; <b>Audible alerts:</b> Voice Prompt, System Alert; <b>Synchronized shock:</b> Built-in automatic synchronization feature; <b>Pacemaker pulse detection:</b> Yes; <b>Programmable:</b> Yes, via MDLink; <b>Pediatric capability:</b> Yes
Automated self checks	<b>Daily:</b> Electrodes, battery, internal electronics, SHOCK/CONTINUE button, software (no charge); <b>Weekly:</b> Electrodes, battery, internal electronics, SHOCK/CONTINUE button, software (partial charge); <b>Monthly:</b> Electrodes, battery under load, internal electronics, full energy charge cycle, SHOCK/CONTINUE button, software (full charge)
Event documentation	<b>Internal memory:</b> 34 minutes ECG data with event annotation; <b>Playback:</b> Windows® -based RescueLink software via PC; multiple rescue downloading capability; <b>Communications:</b> Serial port or USB (via adapter) for PC with Windows; <b>Clock synchronization:</b> Precise synchronization of AED time to dispatch time
Electrodes	<b>Supplied:</b> Self-checking and pre-connected to AED; <b>Type:</b> Adult, disposable, non-polarized (identical pads can be placed in either position) pre-gelled, self-adhesive; <b>Extended length of lead wire:</b> 1.3m; <b>Shelf life:</b> 2 year; <b>Gel surface area:</b> 114 cm <sup>2</sup> each
Battery	<b>Type:</b> Extended life lithium battery; <b>Shelf life:</b> 3 years; <b>Battery warranty:</b> See Warranty Agreement for more information
Environmental	<b>Operating temperature:</b> 0°C to +50°C (32°F to +122°F); <b>Storage temperature (up to 1 week):</b> -30°C to +65°C (-22°F to +149°F); <b>Relative humidity:</b> 5% to 95% (non-condensing); <b>Atmospheric pressure:</b> 57kPa (+15,000ft) to 103kPa (-500ft); <b>Vibration and shock:</b> IEC 68-2-29, 68-2-6 (sine), 68-2-64 (random); <b>Free fall drop:</b> IEC 68-2-32, 1 m; EMC: CISPR 11
Conforms to standards	<b>Applicable standards:</b> UL-60601-1; CSA 22.2 No. 601.1-M90; IEC 60601-1; IEC 60601-1-2; IEC 60601-2-4, ANSI/AAMI DF-39, 2005 AHA/ERC Guidelines for CPR and ECC
Warranty	7 years for CardioVive unit; 4 years for battery; 2 years for electrodes. Actual battery operating life may vary

## ORDERING INFORMATION

92532-501 CardioVive AT AED, English Language Version\*

### Accessory Part Numbers:

9131-001	Disposable adult defibrillation electrodes
9730-002	Pediatric electrode kit <sup>1</sup>
010-1570-01	Soft-sided carrying case
170-2145-001	Wall-mount wire rack
9146-001-C1	Extended life battery
109-0021-404	Quick start CD
5550-003	AED Ready Kit

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*Electrodes are pre-attached eliminating confusion and errors*

## Makes Hard Decisions and Safely Monitors Victim

The CardioVive AT uses the most advanced software algorithm in the industry and provides continuous patient monitoring before, during and after the cardiac episode.

- RHYTHMx® technology differentiates between shockable life-threatening cardiac rhythms, such as ventricular arrhythmias (VT/VF), and non-shockable cardiac arrhythmia (SVT) events
- The AED automatically synchronizes shock delivery with the electrocardiograph R-wave
- Post-resuscitation monitors the heart rhythm to instantly detect additional life-threatening arrhythmias

## Warranty and Service Protect Your Investment

Your CardioVive AT AED is protected by a seven-year warranty. During this period, we provide a toll-free phone number for technical support and assistance.

*Internationally please contact your local representative for further details.*

\* Call for other languages

<sup>1</sup> Intended for use on children up to eight years of age or weighing up to 55 lbs

