

# Powerheart® AEDs fully self-test every day

Most competitors only self-test once a week

once a week



ZOLL®  
AED PLUS®<sup>1</sup>

once a week



HEARTSINE®  
SAMARITAN® 450P<sup>2</sup>

once a week



PHYSIO-CONTROL  
CR® PLUS<sup>3</sup>



CARDIAC SCIENCE  
POWERHEART AEDS

Tested every day. Rescue Ready® every day.



DO THE MATH

$$\begin{array}{r} 365 \text{ (US)} \\ - 52 \text{ (THEM)} \\ \hline 313 \end{array}$$

POWERHEART TESTS MORE DAYS THAN MOST COMPETITORS!

CARDIAC SCIENCE  
POWERHEART® AEDS TEST  
DEFIBRILLATION PADS,  
THE BATTERY, AND INTERNAL  
CIRCUITRY EVERY DAY  
FOR BOTH PRESENCE AND  
FUNCTIONALITY!

# TESTED EVERY DAY. **RESCUE READY EVERY DAY.**

Rescue Ready® self-tests provide SCA victims, rescuers, and AED programme managers with confidence that their Powerheart AED will be ready to rescue when a cardiac emergency occurs.

# BEING RESCUE READY® MEANS

# NO DAYS OFF

**It's 3:03 a.m. Is your AED awake?** If you have a Cardiac Science Powerheart® AED it is. It will be hard at work performing a sophisticated series of patented tests throughout the device's circuitry to verify that its medical-grade battery, patented non-polarized pads, and critical components are not only connected but fully functional for the upcoming day. This is important because sudden cardiac arrest (SCA) doesn't occur once a week or just on a Sunday.

**To ensure you are Rescue Ready®, Powerheart AEDs automatically perform self-test every day while self testing electrodes and its medical grade battery for presence, function and expiration.**<sup>4</sup> Other AEDs only self-test once a week or only partially each day—because less testing allows them to claim increased battery and pad life, enabling a “cost-of-ownership” claim.

**Readiness is everything.** We believe comprehensive daily self-testing of our AEDs can help prevent deaths from SCA. Studies have shown that 23.7% of AED failures<sup>5</sup> are due to pads and connectors, and battery power problems account for 23.2%. These are the very issues that Powerheart AED daily self-tests detect and help prevent.

1. ZOLL AED Plus Administrator's Guide, REF 9650-0301-01 Rev YA; May, 2017.

2. HeartSine Samaritan PAD 350P/360P/450P User Manual H032-019-600-2; July 2017.

3. LIFEPAK CR Plus Express Operating Instructions PN3201686-015; July 2014.

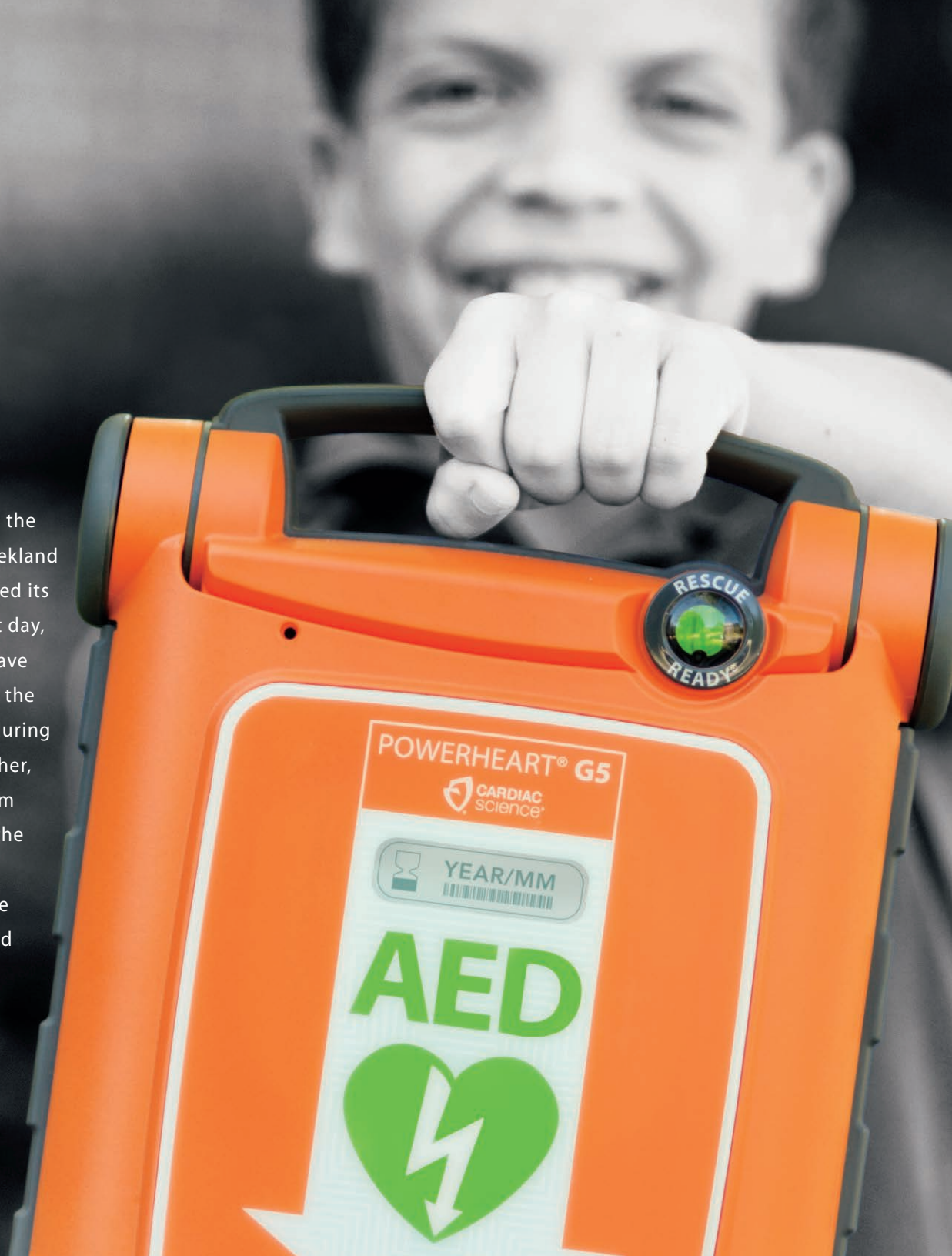
4. Cardiac Science Powerheart® Automated External Defibrillator User's Guide, 70-01704-02 A; January 2016. Fully self-test: automatic daily, weekly, and monthly self-tests to monitor critical components including the internal circuitry, software, and medical-grade battery for readiness; the pre-connected defibrillation pads are also tested for both presence, functionality and expiration.

5. Annals Emergency Medicine; Analysis of Automated External Defibrillator Device Failures Reported to the Food and Drug Administration, Volume 59, no. 2, February 2012.



SCA VICTIM  
CADEN  
CHERRY

At 3:03 a.m. on Sept. 29, the Powerheart® AED at Creekland Middle School (US) passed its daily self-test. Later that day, that same AED helped save Caden Cherry's life after the sixth-grader collapsed during gym class. His twin brother, Cooper, alerted their gym teacher, and, thanks to the school's effective AED procedures, school nurse Chrissa Hofstetter helped save Caden's life.



FOR SCA VICTIMS

BEING RESCUE READY® MEANS

# EFFECTIVENESS

Today could be the day the unimaginable happens. Today could be the day you will need to be rescued by an AED. Powerheart® AEDs are built to provide life-saving therapy to SCA victims.

For SCA victims, the effectiveness of an AED is paramount. Powerheart AEDs are built to the highest standards, to provide effective, life saving therapy to SCA victims when they need it most.

## EFFECTIVE THERAPY FOR SCA VICTIMS

- ✓ Powerheart AEDs fully self-test every day to ensure pads and batteries are connected and functional, and the internal circuitry is ready for a rescue. Your rescue.
- ✓ Powerheart AEDs provide an effective shock—proven in thousands of actual in-field rescues.
- ✓ If a subsequent shock is needed, Powerheart AEDs supply variable escalating energy to deliver a higher dose of therapy to the patient, and increase the chances of the shock initiating a return of spontaneous circulation.
- ✓ Powerheart AEDs charge quickly—they can deliver post-CPR shocks in as few as 10 seconds to provide effective therapy.

RESCUER  
DR. WALTER  
GAZZOLA

At 3.03 a.m. on April 1, the Powerheart® AED at Dental studio Gazzola, in Borgonovo Val Tidone (Italy) passed its daily self-test. Later that day, Doctor Walter Gazzola used that same AED to deliver a shock that restarted the heart of one of his patients who had suffered a sudden cardiac arrest.





FOR RESCUERS

BEING RESCUE READY® MEANS

# SIMPLICITY

Today could be the day you will be asked to make a rescue. Today could be the day you become a hero. Powerheart® AEDs are designed for people like you who want simplicity and readiness from their device.

For rescuers, a device that is easy to use is paramount. Powerheart AEDs are specifically designed to be simple to use, so rescuers can deliver effective therapy to an SCA victim with confidence.

## EASY TO OPERATE FOR RESCUERS

### ✓ Self-tests you can depend on:

- Powerheart AEDs fully self-test every day to ensure pads and batteries are connected and functional, and the internal circuitry is ready for a rescue.

### ✓ Simple steps to ensure a successful rescue:

- Powerheart AEDs provide concise, user-paced prompts to tell the rescuer what to do. Prompts only advance after successful completion of each critical step.
- Powerheart AEDs determine if a shock is needed, and deliver the shock automatically to the victim.
- Powerheart G5 dual language AEDs allow rescuers to quickly change voice and text prompts from a primary language to a secondary language without restarting the rescue process. Having access to an alternate language broadens the number of potential responders.

### ✓ Simple CPR monitoring and instructions:

- Effective CPR is critical during a rescue.
- All Powerheart AEDs include an easy-to-follow CPR metronome. Only the Powerheart G5 offers the new Intellisense™ CPR Feedback electrode\*, which helps ensure rescuers perform optimal CPR by providing up to four distinct corrective prompts to ensure compressions are in accordance with ERC/AHA guidelines for rate, depth, and recoil.

*\* Sold separately. Powerheart G5 models only.*

AED  
PROGRAMME  
MANAGER  
CARILLION

At 3:03 a.m. each day, the entire fleet of Powerheart® AEDs at Carillion (UK) are self-tested to confirm readiness. The AED programme helps protect Carillion people, contractors and visitors every day. Since implementing this programme, two people have been saved with the help of a Powerheart AED.





FOR AED PROGRAMME MANAGERS

BEING RESCUE READY® MEANS

# CONFIDENCE

Today could be the day a life is saved. Today could be the day your hard work implementing an AED programme pays off. You can be confident you're ready because your Powerheart® AEDs have performed their daily self-test to ensure pads and batteries are connected and functional, and the internal circuitry is ready for a rescue.

For AED programme managers, being confident that their programme is completely compliant and fully ready to rescue is paramount. Powerheart AEDs give programme managers total confidence in their AED programmes.

## BE CONFIDENT IN YOUR AED PROGRAMME

- ✓ Powerheart AEDs fully self-test every day, to ensure each AED's pads, batteries and internal circuitry will be ready. Many other AEDs test only once a week.
- ✓ If your Powerheart AED detects a self-test error, the Rescue Ready indicator turns from green to red. Unlike many other AEDs, the highly visible Rescue Ready indicator does not require battery power to function the status indicator.
- ✓ If there is a rescue, Powerheart AEDs have a data cable and USB connectivity that allows for quick downloading of rescue report data without expensive data cards.
- ✓ Cardiac Science offers a strong indemnification policy that includes the AED, pads, and battery—so you'll have additional peace-of-mind about your AED program.

# IN THEIR OWN WORDS

## LIVES WERE SAVED BECAUSE POWERHEART® AEDS WERE RESCUE READY®



*"We've had such success with Cardiac Science Powerheart AEDs it would have been foolhardy to move away from a device that has been successful in enabling us to deliver such fantastic results."*

– Caleb Brown, AED Programme Manager,  
David Lloyd Leisure Fitness Centres, United Kingdom



*"You have given me the chance to watch my daughter grow and for her to have a mum and a chance to grow old with my husband. The gratitude that fills my heart is immeasurable. I can only hope I make you proud by living each day to its fullest potential."*

– Samantha Jobe,  
SCA Survivor, Australia

*"I am very lucky that this event happened at my workplace where we have staff that are well-trained in first aid and an AED onsite. The ambulance staff and doctors made it very clear that in all probability I would not be alive today if the AED had not been onsite."*

– Jeff Cox, SCA Survivor, New Zealand



*"I am very lucky to be here. Lucky that medically trained people were on hand so quickly, and that an AED was available. It definitely saved my life."*

– Kevin Twomey, SCA Survivor, United Kingdom



# POWERHEART® AEDS

BE CONFIDENT YOU'RE RESCUE READY®





Tested Every Day.

**RESCUE READY<sup>®</sup>**



Every Day.



*At the Heart of Saving Lives<sup>®</sup>*

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