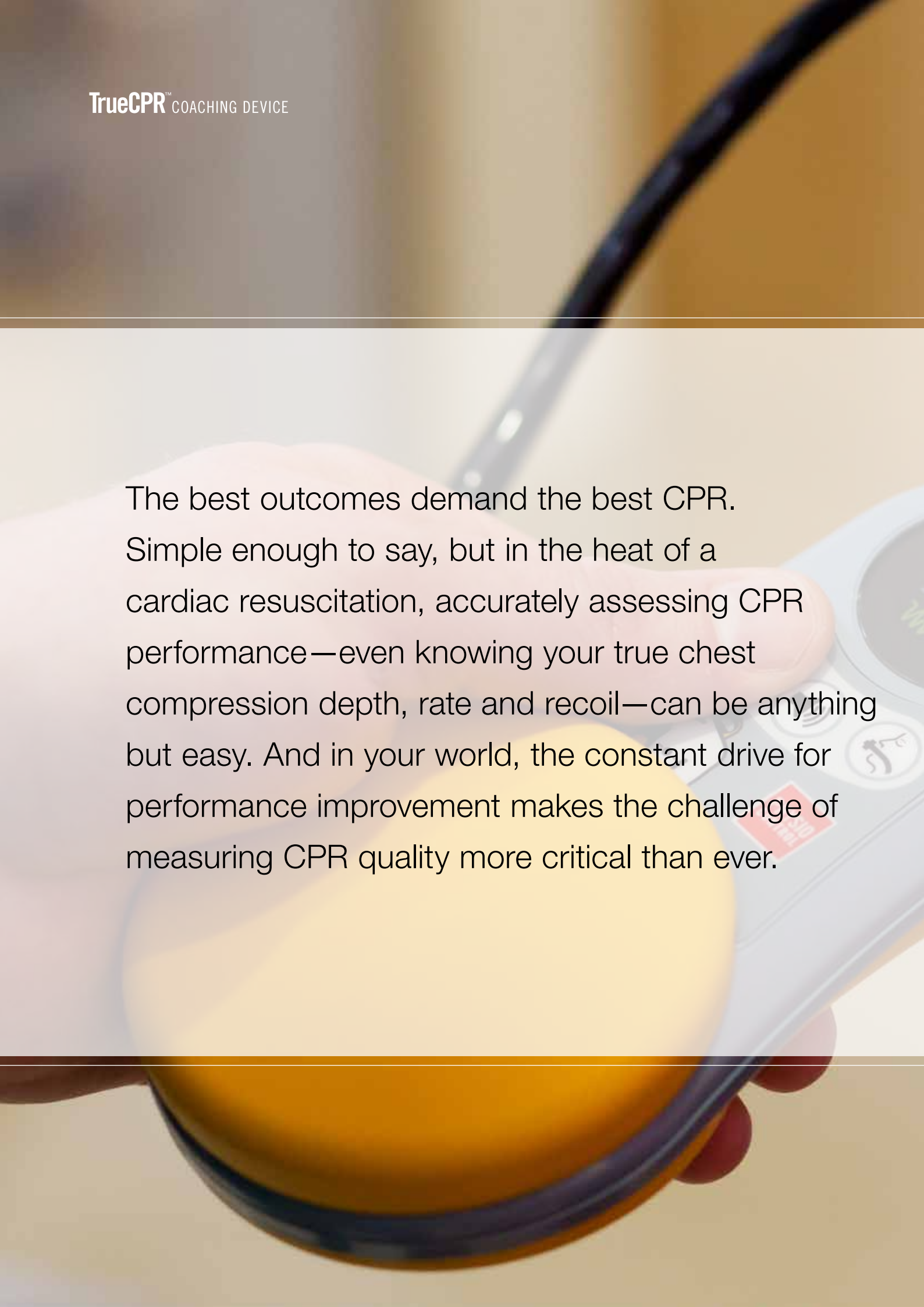
PHYSIO CONTROL

PRODUCT BROCHURE



TrueCPR™ COACHING DEVICE



The best outcomes demand the best CPR. Simple enough to say, but in the heat of a cardiac resuscitation, accurately assessing CPR performance—even knowing your true chest compression depth, rate and recoil—can be anything but easy. And in your world, the constant drive for performance improvement makes the challenge of measuring CPR quality more critical than ever.



Respond with TrueCPR from Physio-Control

TrueCPR helps your team optimize their manual CPR performance with the real-time feedback they need on the most critical resuscitation parameters. Created by Physio-Control, a leader in lifesaving technology for more than five decades, TrueCPR is the only coaching device that can be used in conjunction with any brand defibrillator and the only device to measure actual sternal-spinal displacement. And unlike accelerometer-based products, TrueCPR delivers more accurate CPR depth measurement through proprietary triaxial field induction (TFI) technology.

The result is a clearer picture of resuscitation performance—during compressions, after CPR and during post-event review—to help you improve performance for the future.

Our products have helped save tens of thousands of lives. We're proud to continue this work with the new TrueCPR coaching device.

High-quality feedback. At every stage.

Prompt. Effective. Consistent, with minimal interruptions. That's the level of CPR every responder and clinician wants to deliver. It's also a major focus of the 2010 AHA and ERC Guidelines, which recommend developing a culture of high-quality resuscitation and quality improvement, including measurement, benchmarking and establishing a feedback loop for response teams. TrueCPR can be a vital part of your improvement efforts, providing critical feedback for assessing CPR quality both during and after a resuscitation event.

During chest compressions

TrueCPR shows a CPR provider exactly how they're doing, right where they are looking—at the patient's chest. Compression depth, rate and recoil are displayed in real time on a highly visible dial. In addition, a CPR metronome and ventillation prompts help guide responders to provide CPR per Guidelines' recommended rates.

Immediately after an event

Important summary statistics such as average rate, percentage of compressions at the correct depth and recoil, hands-on time and total event time are displayed on the easy-to-read TrueCPR dial and provide a snapshot of event performance.

Post-event review and debriefing

TrueCPR captures up to 180 minutes of CPR information, which can easily be assessed with Physio-Control data review software to help evaluate overall performance and establish a critical team feedback loop for continuous CPR improvement.

CPR Solutions from Physio-Control

In the hospital and in the field, Physio-Control technology helps emergency teams improve CPR quality no matter what situation they're facing. The TrueCPR coaching device is the latest in our range of innovative resuscitation products, which includes the LUCAS 2 chest compression system, CODE-STAT 9.0 data review software with CPR analytics, and defibrillator/monitors featuring capabilities like capnography and a CPR metronome.

Learn more at physio-control.com/CPRSolution







True depth measurement

TrueCPR is the only CPR feedback device that uses triaxial field induction (TFI), a proprietary technology from Physio-Control. During CPR, TFI uses three-dimensional magnetic fields to pinpoint the distance between the chest pad and the back pad, to accurately measure chest compression depth and provide high-quality feedback in real time. And because we know the chest pad won't always be directly above the back pad during resuscitation events, TrueCPR is designed to compensate for inexact alignment and still accurately measure compression depth.

The real-time feedback delivered through our innovative TFI technology is a real advantage in the midst of a resuscitation event, plus the more accurate chest compression measurements collected by TrueCPR also provide critical data for ongoing quality improvement initiatives.

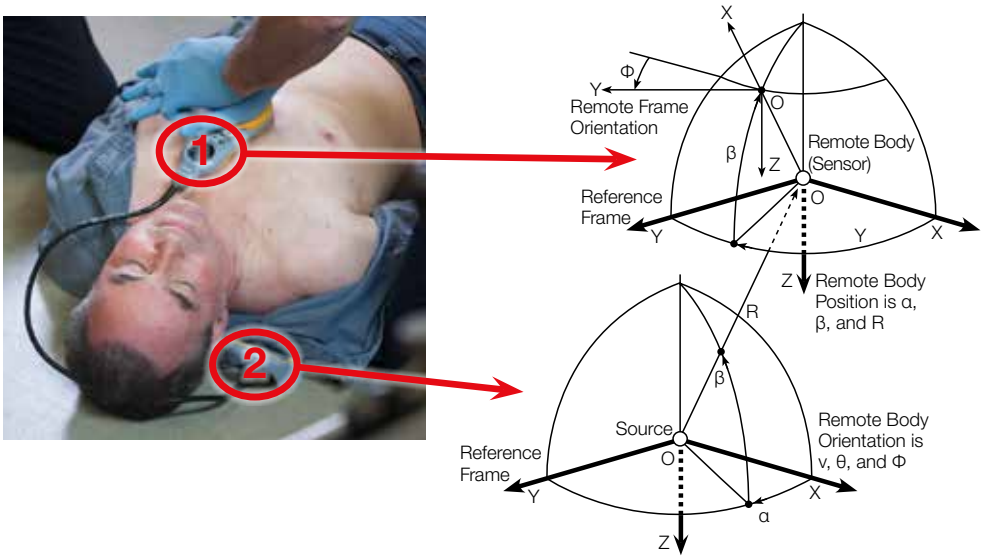
Soft surfaces shouldn't make CPR less effective

Unlike accelerometer-based devices that can suffer from inaccuracy, the TrueCPR TFI technology performs effectively when used on softer surfaces.

Unique in the market

Most CPR assist devices available today uses an accelerometer to measure compression depth, but these devices have been shown to overestimate true chest compression depth in situations where softer surfaces like mattresses compress during resuscitation, and during transport. In fact, some manufacturers' user manuals explicitly state that their devices should not be used on a soft surface or when a patient is moving.[1,2,3] Single-location accelerometer-based devices have also been shown in clinical studies to promote lower-quality CPR—in particular, reduced chest compression depth—by providing inaccurate feedback to providers both during and after an event.[4,5]

TFI technology in TrueCPR has been shown to consistently provide accurate compression depth feedback, and to remain effective even in soft-surface and in-motion resuscitation scenarios.



TrueCPR™ COACHING DEVICE



Simple to use.
Simple to own.

Low Cost of Ownership
There are no disposable electrodes or accessories to replace

Carry
Portable and attaches easily to straps or other devices

Apply
Just slide the back pad behind patient and position the chest pad

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Read
Highly visible dial displays real-time feedback

Review
Quickly download data via USB for post-event review

Clean
Water resistant and easy to clean

Store
Small footprint provides simple storage

Charge
Runs for a minimum of 180 minutes on a new set of Duracell® batteries

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A more responsive approach to CPR.

TrueCPR is part of a new generation of lifesaving innovation from Physio-Control, the emergency medical response company. For more than 55 years, an unrivaled commitment to quality has made us the global leader in defibrillation and the equipment manufacturer of choice for EMS and hospital teams worldwide. We envision a world in which no person dies suddenly as a result of a cardiorespiratory event.

Like every product we deliver, TrueCPR is based on the real-world needs of teams like yours—designed to help you improve performance, and achieve the ultimate goal toward better outcomes for your patients.





SPECIFICATIONS

GENERAL

TrueCPR Coaching Device has two main operating modes:

- **CPR Feedback Mode:** Provides rescuers with real-time feedback on chest compressions during cardiopulmonary resuscitation (CPR) in accordance with current CPR guidelines. Within the CPR Feedback Mode, there are intubated and non-intubated modes.
- **Event Review Mode:** Two event review screens display data for the most recent device use.

Ventilation Prompts: 2 ventilation prompts every 30 compressions in No Airway mode. No ventilation prompts in Airway mode.

Compression Depth: Target depth range of 5 to 6 cm (2 to 2.5 in).

Metronome Rate: 104.4 ± 1 compressions per minute, consistent with AHA and ERC Guidelines.

PHYSICAL CHARACTERISTICS

Weight: Less than 0.75 kg (1.65 lb) with batteries installed.

Chest Pad:

- **Height:** 3.5 cm (1.4 in).
- **Length:** 22.6 cm (8.9 in).
- **Width:** 8.3 cm (3.3 in).

Back Pad:

- **Height:** 7.4 cm (2.9 in).
- **Length:** 26.6 cm (10.5 in).
- **Width:** 10.0 cm (3.9 in).
- **Thickness (paddle):** 2.1 cm (0.8 in).

All exposed surfaces of the TrueCPR coaching device are latex-free.

- **IP55**

DISPLAY

Size (active viewing area): 3.5 cm (1.4 in) in diameter.

Resolution: 220 x 220 pixels.

Type: Color TFT with LED backlight.

DATA MANAGEMENT

The TrueCPR device can store compression data for three 60-minute sessions or up to six sessions totaling 180 minutes. When all available memory has been used, the data from the oldest use is overwritten automatically.

Data can be transferred to a computer with TrueCPR device-compatible software via USB connection. Event reports can be printed directly from the software.

BATTERY

Battery Type: 2 Duracell® nonrechargeable DL123 cells.

Operating Time: Minimum of 180 minutes at room temperature with new batteries.

Low Battery Indicator: Appears when remaining battery capacity is less than 25 minutes of operation.

Battery Readiness Indicator: Flashing LED on back pad handle indicates battery capacity is sufficient for at least 25 minutes of operation. **Note:** LED flashes approximately once every 4 seconds.

Physio-Control Family of Products

Defibrillators/Monitors



LIFEPAK CR® Plus Automated External Defibrillator

Featuring the same advanced technology trusted by emergency medical professionals—yet simple to use—the fully-automatic LIFEPAK CR Plus AED is designed specifically for the first person to respond to a victim of sudden cardiac arrest.



LIFEPAK® 1000 Defibrillator

The LIFEPAK 1000 Defibrillator is a powerful and compact device designed to treat cardiac arrest patients and provide continuous cardiac monitoring capabilities. Built-in flexibility allows the *1000* to be programmed for use by first responders or professionals and enables care providers to change protocols as standards of care evolve.



LIFEPAK® 15 Monitor/Defibrillator

The LIFEPAK 15 monitor/defibrillator is the standard in emergency care for ALS teams who want the most clinically innovative, operationally effective, and LIFEPAK TOUGH device available today.



LIFEPAK® 20e Defibrillator/Monitor

Clinically advanced and packed with power, the LIFEPAK 20e defibrillator/monitor is highly intuitive for first responders, and also skillfully combines AED function with manual capability so that ACLS-trained clinicians can quickly and easily deliver advanced therapeutic care.

CPR Assistance



LUCAS® Chest Compression System

Designed to provide effective, consistent, and uninterrupted compressions according to AHA and ERC Guidelines, LUCAS can be used on adult patients in out-of-hospital and hospital settings.

Information Management



LIFENET® System

The LIFENET System provides EMS and hospital care teams with reliable, quick access to clinical information through a secure, web-based platform, helping to improve patient care flow and operational efficiency.

CODE-STAT™ 9.0 Data Review Software

CODE-STAT 9.0 data review software is a retrospective analysis tool that provides easy access to data, reports, and post-event review.

Contact your Physio-Control representative to learn more about TrueCPR and discover what it can mean to your resuscitation performance.

This product is not available in the United States, United Kingdom, France or Germany.
510(k) pending

REFERENCES

1 Philips® Heartstart MRx Instruction for Use, Edition 1, April 2009.
2 ZOLL® X Series Operator's Guide (9650-001355-01) Rev. B, February 2012.
3 ZOLL R Series® Operator's Guide (9650-0904-01) Rev. E, March 2012.
4 Perkins GD, et al. Compression Feedback Devices Overestimate Chest Compression Depth when performed on a bed. *Resuscitation.* 2009;80:79-82.
5 Nishisaki A, et al. Effects of Mattress Deflection on CPR Quality for Older Children and Adolescents Compression. *Resuscitation.* 2009;80:540-545.

All claims valid as of December 2012.

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