SimCPR®Pro

Feedback for optimizing CPR

SimCPR®Pro provides rescuers accurate feedback for optimizing CPR during a cardiac arrest.

The green LED-light confirms that chest compressions are within the CPR-guidelines of depth (≥ 50mm/ 2inches) and tempo (100-120/min).[1,2]

Studies show that this kind of feedback improves CPR-quality and is associated with better survival in case of a cardiac arrest.[3,4]
SimCPR®Pro also gives rescuers more confidence during a CPR-event.

How does SimCPR®Pro work?

The smart SimCPR®-accelerometer accurately calculates compressions depth and tempo.

When compression depth is less than 50mm/2 inches, the red LED keeps on flashing (110/min).
This means compressions are not deep enough and/ or the recoil of the victim's chest is not complete.

As soon as chest compression depth reaches 50mm/2 inches or more, the green LED starts flashing.

When both compression depth _and_ tempo are correct the green LED is continuously on.

⏻	**Easy to use**		MD	**Medical device**
✓	**Accurate**		🔋	**6 year battery**
🐷	**Affordable**		🕐	**100 hours of use**

SimCPR® Training

SimCPR® Pro Trainer

A separate **SimCPR® Pro Trainer** is available for CPR-education. In this way rescuers can train on different CPR-manikins using SimCPR®-feedback. The use of the trainer exactly simulates the use of the SimCPR®Pro.

The SimCPR® Trainer can also be connected to the free SimCPR® Trainer-app (Android and iOS).

With this low-cost training solution more students can be trained in High-Quality-CPR.

CPR Training-Centers who train students with SimCPR®-feedback can be recognized by the *SimCPR®Training-logo*.

After a training, students can buy a SimCPR®Pro from their instructor or training center.

1.Perkins, G.D., Travers, A.H., Berg, R.A. et al, Part 3: adult basic life support and automated external defibrillation: 2015 international consensus on cardiopulmonary resuscitation and emergency cardiovascular care science with treatment recommendations. *Resuscitation*. 2015;95:e43–e69

2.Meaney, P.A. et al. Cardiopulmonary resuscitation quality: improving cardiac resuscitation outcomes both inside and outside the hospital: a consensus statement from the American Heart Association. *Circulation*. 2013 Jul 23; 128: 417–435

3.Lu, T.C., Chang, Y.T., Ho, T.W., Chen, Y., Lee, Y.T., Wang, Y.S. et al. Using a smartwatch with real-time feedback improves the delivery of high-quality cardiopulmonary resuscitation by healthcare professionals. Resuscitation. 2019; 140: 16–22

4. Graham Nichol et al. Compression depth measured by accelerometer vs. outcome in patients with out-of-hospital cardiac arrest. Resuscitation. 2021;167:95-104

 Optimizing CPR