

**MEDICAL INNOVATIONS**  
CUSTOMIZED TO YOUR NEEDS!

# CPR|Check

## First aid sensor

**Emergency situations are exceptional situations! Acting as a first responder, particularly for laymen, therefore involves overcoming great inhibitions. The fear of doing something wrong makes the responder hesitate, allowing valuable time to go by, which could be vital for survival. To make things even more difficult, it is sometimes hard to detect respiration and pulse. According to current studies, 45% of first responders can't recognize cardiac arrest. But in such situations, the initiation of resuscitation measures is decisive to the survival of the patient.**

The CPR|Check is an innovative medical device which supports the first responder in emergency situations and can reliably detect cardiac arrest within 10 seconds. The recommendation for or against resuscitation is made using two LEDs according to the traffic-signal principle. Green means the patient is breathing and has a pulse, red means resuscitation measures are required. Thus, the device is easy to understand even in stressful situations.

The CPR|Check is small, handy and easy to use: After applying the device to the neck of the patient, a simple push of a button is all it takes to start the analysis. This is based on extremely innovative technology and algorithms, and has the same decision-making reliability as an AED (automatic external defibrillator), for example. All the CPR|Check needs for the analysis are the pulse and respiration of the emergency patient. Another advantage: After the initial analysis, the signal will continue to be analyzed, guaranteeing constant monitoring of the cardiovascular system.

The multi-patented system is based on many years of technical and clinical research. The medical product, which was completely developed and produced in Germany, is CE-certified and has a sensitivity and specificity of over 90%. Both laymen as well as first responders from rescue organizations, fire departments or police can save valuable time when using the CPR|Check and have a more certain diagnosis of cardiac arrest.



### **Features:**

- Fixing by adhesive pad in the jugular notch
- Detection of pulse and respiration
- Recommended action by means of red and green status lamps
- First recommendation after 10 seconds
- Continuous update of recommended action
- Coin batteries and adhesive pad easily exchangeable
- User-friendly (1-button operation)

### **Technical information:**

- Supply voltage: 2 CR2016 coin batteries
- Current consumption: < 18 mA
- Runtime in constant operation: approx. 30 min.
- Operating temperature: 0 – 50 °C
- Sensor size: 44 mm x 36 mm x 17 mm (H x W x D)
- Adhesive pad size: Ø 30 mm
- Adhesive pad: exchangeable
- Weight of device: 15 g, incl. batteries
- Sensitivity: > 90 %
- Specificity: > 90 %
- Extensive self-test before/during operation
- Built-in movement and temperature sensor

### **Covered standards:**

- EN 60601-1
- EN 60601-1-2