



corpuls®

FOCUS - ON - PATIENTS

**TRAIN
HOW YOU
FIGHT
FOR LIVES**



corpuls simulation



REALITY. SIMULATED.

IF YOU WANT TO BE AMONG THE BEST,
YOU NEED THE BEST TRAINING.

The new generation in mission simulation

Previous training methods have focused on learning a technique through repetition. However, there is often a large gap between theoretical scenarios and the actual “fight” for a human life. With **corpuls simulation** we bring 100% realistic scenarios to your training.

Just as pilots training in a flight simulator are thrown surprise complications, lifesavers training with **corpuls simulation** have to overcome unforeseen situations. This, as well as the exact replication of all corpuls defibrillators, creates an incomparably realistic training situation. The result is a team that is optimally prepared for every scenario and therefore, a significantly better quality of care for the patient.





SPECIFICATIONS

COMPONENTS

- High quality hard case
- Accessory bags on the device (left, right, rear side)
- Transport bag with shoulder strap
- Monitoring ECG cable (ERC/AHA)
- Diagnostic ECG cable (ERC/AHA)
- SpO₂ sensor
- **corpuls** NIBP cuff (with hose) in different sizes
- etCO₂ sensor
- CPR Feedback sensor
- Master cable for **corPatch simulation** training electrodes

- Reusable **corPatch simulation** training electrodes
- Power bank
- WLAN access point and Bluetooth gateway (single-board computer)
- USB multi-charger
- Colour coded case for Instructor iPad

MEASUREMENTS

- With accessory bags (left, right, rear side):
540 mm x 300 mm x 200 mm
(W x H x D)

WEIGHT

- Device with Apple iPad Pro and Instructor iPad in transport bag with shoulder strap:
6.4 kg
- Device with Apple iPad Pro and Instructor iPad:
5.0 kg

RUN TIME

- ca. 10 hours plus power bank capacity

More at www.corpuls.world

THE SIMULATOR

An Apple iPad Pro in a deceptively authentic **corpuls3** hard case makes up the heart of **corpuls simulation**. There is space in the side pockets for the true-to-original cables and sensors. Thanks to the power bank and integrated single-board computer **corpuls simulation** is completely self-sufficient. You only have to switch **corpuls simulation** on – the device takes care of all further configurations for WLAN and Bluetooth itself after a one-off setup.



12.9" iPad Pro as Touchscreen



Onboard WLAN access point



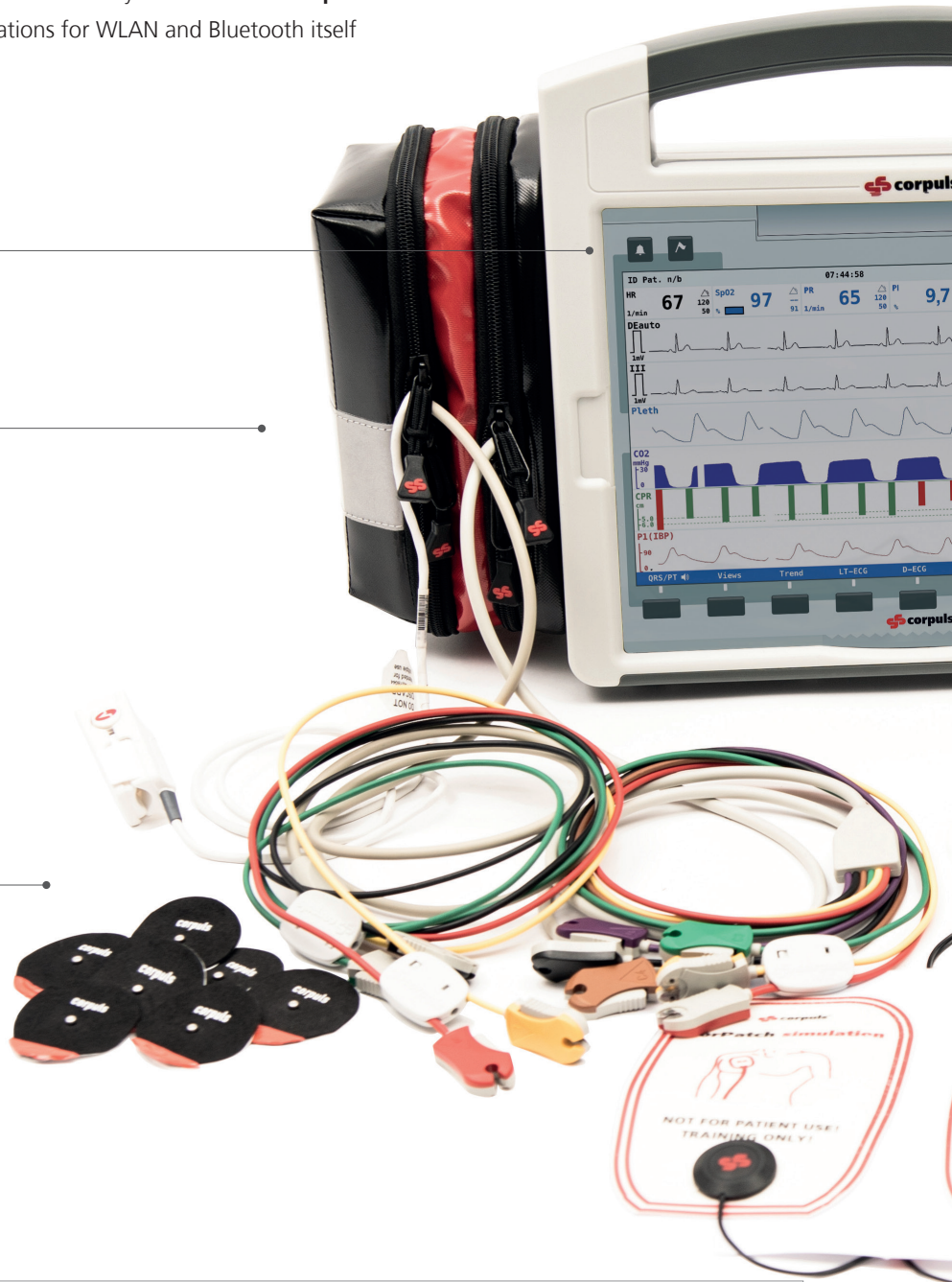
User interface and other application options:

- **corpuls3** Classic
- **corpuls3 TOUCH**
- **corpuls1**
- **corpuls aed**



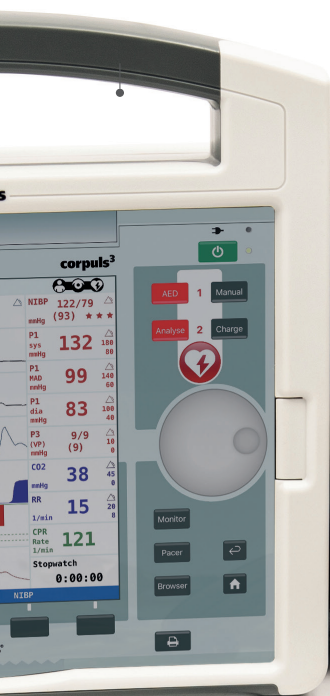
Extensive accessories:

- Reusable simulation electrodes
- True-to-original sensors and cuffs
- and much more



THE FACTS

- Most important functions of the original devices with ongoing expansion
- Realistic parameters and curves
- Status changes through events
- Scenario editor
- Simulation consumables
- Original accessories
- Multiple languages available
- Safe training
- **corpuls simulation** community



USB multi-charger



True-to-original bags from the **corpuls3** for accessories



corpuls simulation transport bag



Up to date

Every new device software version brings changes. In order to best prepare lifesavers for these changes, new **corpuls** defibrillator software versions are also available for **corpuls simulation**. So your team will already be familiar with the new software before it is installed on your real **corpuls** defibrillator.

Instructor iPad



► Via the intuitive interface, current scenarios can be modified at any time



SIMULATION WITH ALL THE DETAILS

In the accessory bag of the **corpuls simulation** hard case there is space for the reusable **corPatch simulation** training electrodes. The sensors are modelled exactly on the original **corpuls** defibrillator equipment. The alarm signals are exactly the same as the real **corpuls** defibrillators.

BUILT TOUGH

corpuls simulation is optimally protected and stored in the custom-made PAX transport bag that is included in the set.

MISSION READY ALWAYS AND EVERYWHERE

Thanks to the built-in power supply, a mission scenario outside of the training room is no problem.

corpuls simulation has everything that is required for training under real conditions directly on board.





RESUSCITATION MANIKIN EDDY

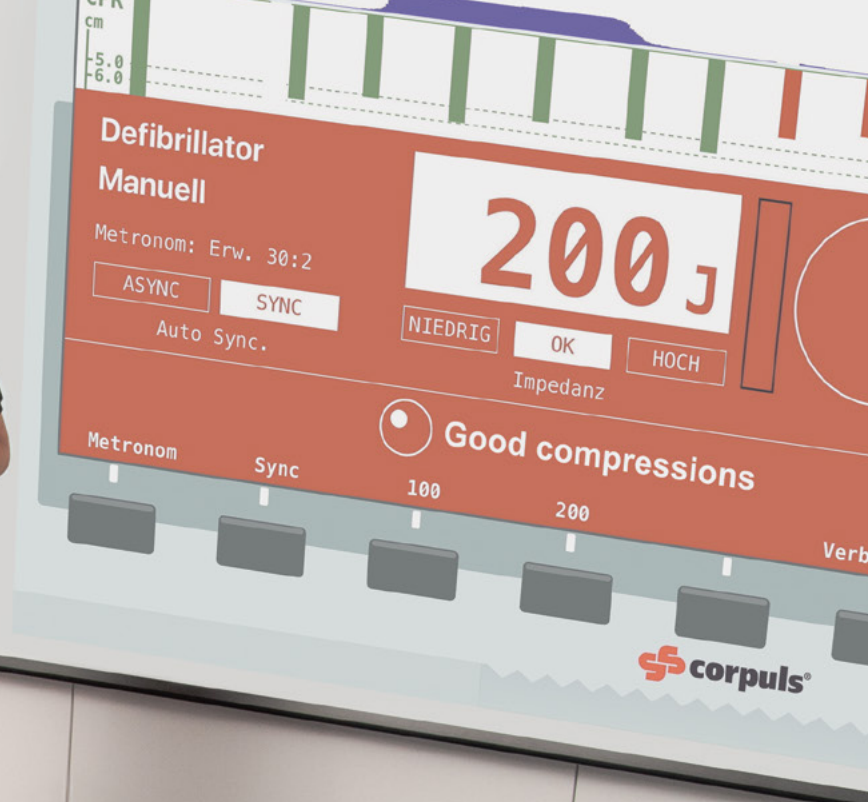
- Standard functions (**resuscitation** and **intubation** intubation according to common procedures with realistic airway)
- **i.v. and i.o. access** with possibility of **medication application**
- Digital **CPR feedback** display
- **Carotid pulse** display synchronised with ECG
- **Resuscitation artefacts** synchronised in the ECG
- **CO₂ curve** synchronised with ventilation

Pat. male 78 years
↳ known arterial
hypertension
↳ STEMI in 2017

Ⓐ - free

Ⓑ - no respiration

Ⓒ - pale cold skin
- no puls detectable



ALL PATIENT CLASSES

Using the **corpuls simulation** scenarios, completely safe training is possible for all patient classes – including corpuls EDDY as well as neonates in the incubator, obese patients and pregnant women.

FULL CONTROL

The trainer can use the Instructor iPad to change the scenario at any time and thus adapt the stress level to the knowledge level of the team. Frustration if the level of difficulty is too high or lack of focus if it is too low are avoided and the learning effect for the training participants can be maximised.



corpuls EDDY

EVEN CLOSER TO REALITY

With the **corpuls Education Buddy (EDDY)** the team can prepare even better for all scenarios in emergency and intensive care medicine. The manikin in **corpuls** design, which is connected to the **corpuls simulation**, integrates into the training and reacts realistically to all measures taken. It is battery powered for mobile use and easy to transport with its own trolley.

EDDY offers all standard functions such as resuscitation and intubation according to standard procedures with a realistic airway. A digital CPR feedback display completes the display. Carotid pulse and resuscitation artefacts are displayed synchronously on the ECG.

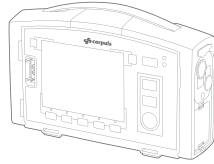
FOUR IN ONE

All the **corpuls** defibrillators in one simulation system

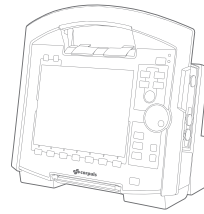
With **corpuls simulation** you can simulate all four **corpuls** defibrillators in one system using the same hardware.



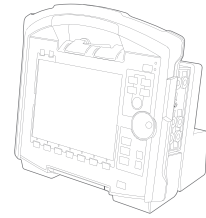
corpuls aed



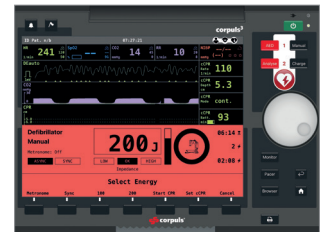
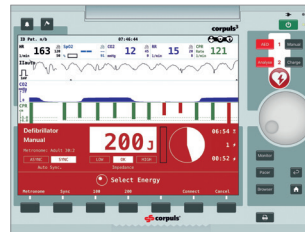
corpuls¹



corpuls³



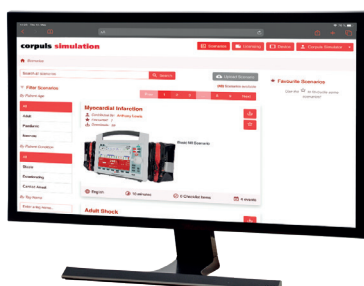
CAT



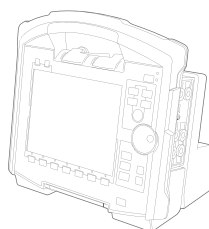
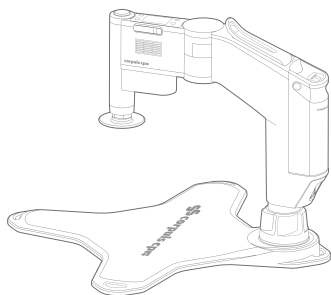
corpuls **simulation** COMMUNITY NETWORK WITH INSTRUCTORS FROM ALL OVER THE WORLD

Knowledge is the only resource that increases when you share it – the basic principle of the **corpuls simulation** community. It is precisely for this reason that we place so much value on networking and offering space to exchange ideas.

- Share **simulation scenarios**
- **Exchange** experiences
- **Designing training concepts** together
- **Manage devices** and **licenses**



► Share your training and experiences in the **corpuls simulation** community



For over 40 years, **corpuls®** has developed and produced innovative high-end equipment for emergency and intensive care medicine. Today, in our headquarters in Kaufering, over 450 hearts each beat around 80,000 times every work day while aspiring to meet the high standards of rescue workers from over 75 countries around the world.

corpuls defibrillators, patient monitoring systems and chest compression devices have set the standard since day one in the realisation of the most advanced insights in medical science, as well as in terms of innovation and ergonomics. Thus guaranteeing reliable and trusted aid in the fight for human lives.



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