



corpuls®

FOCUS - ON - PATIENTS



corpuls³

RELIABLE PARTNER IN THE FIELD

corpuls³

LIFE-SAVING MULTI-TALENT

The corpuls³ is not only a device – it is a **3** module system:



Monitoring Unit



Patient Box



Defibrillator | Pacer

The modules can be separated at any time, as and when required. They communicate wirelessly, eliminating annoying cables.

The corpuls³ adapts optimally to the users needs. Legendary and still unique, the corpuls³ is used successfully by hundreds of organisations around the world.

COMMUNICATION PROFESSIONAL

The built-in connectivity functions such as 4G modem, WLAN or LAN are ideal for telemedicine and the corpuls communication platform corpuls.mission.



MODULAR AND UNIQUE

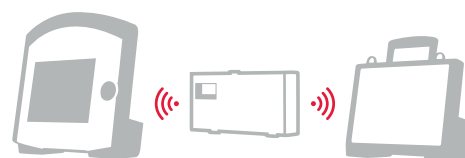
- **Constant monitoring** from the emergency site to the hospital
- **Uninterrupted monitoring from a safe distance** (e.g. CT scan)
- Better **ergonomics** for patient transport by separating the modules
- Increases **patient safety** by recording and storing parameters in direct proximity to patients
- More **flexibility** at the mission site due to the separation of different tasks: Display, data recording and therapy
- **NVG/NVIS** for night vision device suitability

SPECIFICATIONS

- Transflective **8.4" display**
- **Wide printer** (10,6 cm)
- **Weight:** 6.5 kg (**SLIM**, basic configuration)
- **Dimensions** of complete device (WxHxD):
30.5 cm x 29.6 cm x 19.5 cm
(**corpuls3 SLIM CLASSIC & TOUCH**)
- Extremely high **dust and splash protection** (IP55)
- **Battery life** 7-10 hours,
according to settings and demand
- **Operating environment:**
-20 °C to +55 °C
(basic functions: ECG monitoring and defibrillation)
- **EN 1789**
- Conforms with selected sections of the
international **Standard for Airborne Equipment**
RTCA DO 160 G
- Conforms with selected sections of the
US Military Standard MIL STD 810



► Illustration of the corpuls3.



► The unique wireless RF technology allows the modules to communicate with one another as if they were physically connected.



► A military grade aluminium case is available as an option for corpuls3 and all accessories and consumables.



CONNECTIVITY

Various interfaces and connection options are available for the connection to the **corpuls** digital products, the data transmission is always encrypted. For the mobile phone connection, **corpuls** optionally offers additional security through M2M SIM cards.

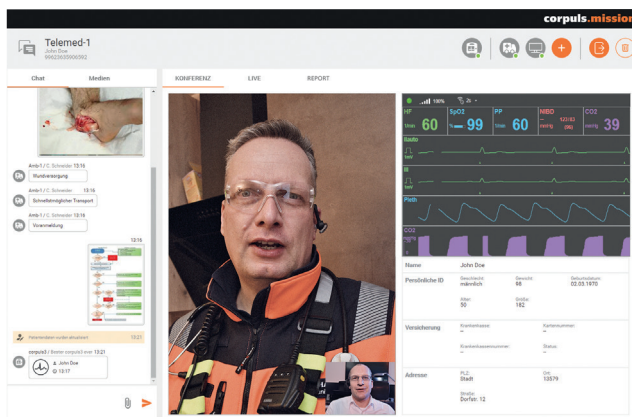
For local communication with an ePCR device, the **corpuls3** has a combined Bluetooth Classic and Bluetooth Low Energy (BLE) module, which enables the transfer of patient and master data, vital data, trends or the resting ECG as a PDF file.

- **WLAN Interface** (also for "Enterprise" networks)
- **4G LTE Modem** (backwards compatible)
- **M2M SIM cards** for security via mobile connections through their **own APN** with connected **VPN tunnel**
- Combined **Bluetooth Classic and BLE Module** for local communication with an ePCR device

corpuls.manager

MISSION DEBRIEFING

corpuls.manager is the ideal digital complement to the **corpuls3** data sets. The aim is to obtain detailed evaluations from existing deployment data, generate knowledge and thus optimise patient care in the best possible way.



► The entirety of all deployments can be analysed and visualised with the help of dashboards to clarify important questions at a glance.



► The operation history gives you an accurate evaluation of all values and curves at any point in time. You can navigate to the exact time in seconds, and curves can be faded in and out.

corpuls.manager ANALYSE

The data management solution **corpuls.manager ANALYSE** centrally and automatically manages all the data from your **corpuls** device fleet and enables data upload from the **corpuls3** at the end of the mission. The filter, sort and search functions are ideal for quality management and controlling.

corpuls.manager REVIEW

With **corpuls.manager REVIEW**, you can review the mission from the **corpuls3** down to the second. Exactly what's required for optimal debriefing and the best possible documentation for quality assurance.

ENERGY MANAGEMENT

The best energy management is one that the user doesn't have to think about. **corpuls3** intelligent energy management fulfills this requirement precisely.

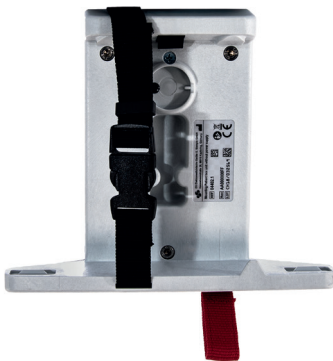
- **Extremely powerful** and identical batteries in all 3 modules
- **No time-consuming manual charging** and battery replacement required
- In **compact mode**, the battery reserves from the other modules are used

Simply remove the **corpuls3** from the charging bracket in the emergency vehicle and, even during long missions, there will always be enough power available to ensure comprehensive monitoring and therapy with the Defibrillator/Pacer.



► The individual **corpuls3** batteries can be exchanged if necessary.

BRACKETS



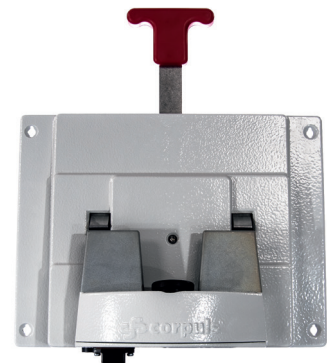
PATIENT BOX

- Adapter solutions **for common stretcher systems**
- **Simple attachment and unlocking**
- **12 V DC**
- **EN 1789**



MONITOR

- **Slim installation depth and light weight**
- Also **suitable for the combination of Monitor and Patient box**
- **12 V DC**
- **EN 1789**



COMPACT DEVICE

- **One-hand release** via the handle
- **Self-locking mechanism** after 10 seconds
- **12 V DC** (optional with power supply unit)
- **EN 1789**



SPECIFICATIONS

MONITOR

- Up to **6 curves and 13 vital parameters**
- Diagnostic **12-lead ECG preview**
- **Quick access** to important menu items via 7 softkeys and function buttons
- **1-2-3 operation** in defibrillation modes
- **Wide printer** (106mm) with simultaneous real-time printout of up to 6 curves
- **4G modem**, WLAN or LAN port for **data transmission/telemedicine**
- All-around **impact protection**
- **Weighs** only 2.9 kg
- **Dimensions** (WxHxD): 30.5 cm x 29.5 cm x 12 cm

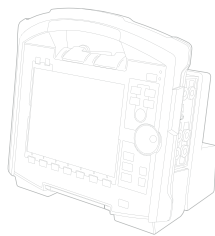
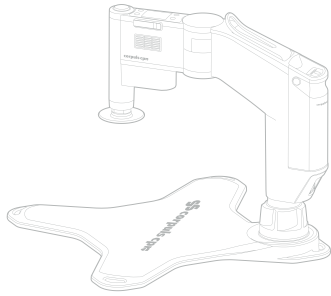
PATIENT BOX

- **12-lead** diagnostic ECG, heart rate
- **ECG-Analysis and Information Software**
- Masimo Rainbow SET® Technologie for **SpO₂, PP, PI, SpCO, SpMet, SpHb, RRP®**
- **Non-invasive blood pressure measurement** (SunTech®)
- **Capnography** with mainstream technology capONE®
- 2 channels for **temperature measurement**
- 4 channels for **invasive pressure measurement**
- **Display** for vital parameters, remaining time and alarms

- Acoustic **alarm indicator**
- Microphone for **audio recording**
- **Bluetooth and CompactFlash®**
- **Weight:** 1.1–1.4 kg
- **Dimensions** (WxHxD): 26.5 cm x 13.5 cm x 5.5 cm

DEFIBRILLATOR

- **Biphasic, rectangular waveform**, impedance compensated
- **2 to 200 Joule**, configurable energy protocol
- **AED and manual defibrillator**
- **AED protocol** according to the current Guidelines, updateable anytime
- **Pacer** with FIX-, DEMAND- and OVERDRIVE mode
- **Pre-connected corPatch therapy electrodes** in separate bag
- **Up to 200 shocks** with fully charged battery
- Use with **hard paddles** as well as **internal shock spoons** possible
- **Weight:** 2.5 kg (**corpuls3 SLIM**)
- **Measurements** (WxHxD): 28 cm x 22 cm x 12 cm



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 70 countries around the world.

Since day one, **corpuls** defibrillators, patient monitoring systems and chest compression devices have set the standard in the realisation of the most advanced insights in medical science, as well as in terms of innovation and ergonomics. Complemented by smart telemedicine and data analysis across devices, the **corpuls system** guarantees reliable and safe help in the fight for human lives.



Manufacturer:

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