

 **corpuls®**



focus-on-patients



 **corpuls<sup>1</sup>**

# corpuls<sup>1</sup> – the new class

The **corpuls<sup>1</sup>** is a life-saving defibrillator/ patient monitoring system, developed specially for the needs of firefighters, first responders, patient transport and disaster control.

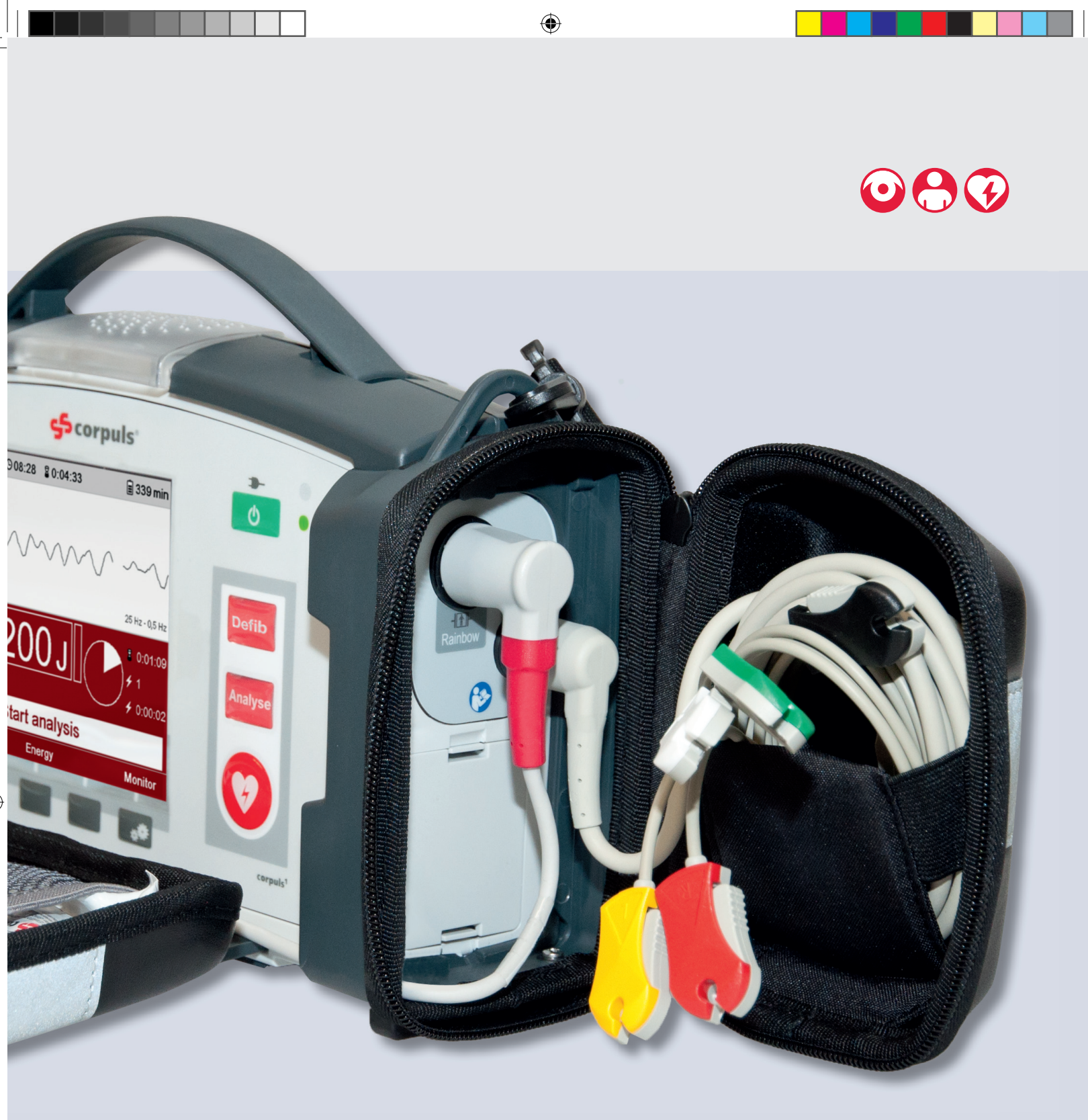
The intuitive and easy operation of the handy **corpuls<sup>1</sup>** allows immediate and comprehensive patient monitoring and therapy.

- Compact and weighing only 2.2 kg
- Large 5.5" screen for ergonomic display of curves and parameters
- AED protocol according to the current ERC/AHA guidelines
- Biphasic rectangular impulse, impedance compensated
- High operational safety due to intuitive operation design
- 1-2-3 operation for easy and quick handling in defibrillation mode
- Switch from manual mode to AED mode at any time
- Quick and comfortable operation via 5 softkeys for direct access to central functions
- Access to important functions via softkey eliminates time loss due to complex navigation during a mission
- Flashing LED signals operational readiness



**corpuls<sup>1</sup>** with charging bracket





#### 6-lead ECG

- Optimised rhythm monitoring of the patient

#### SpO<sub>2</sub> (Masimo®)

- Measurement of oxygen saturation with Masimo® Rainbow® SET Technology
- Reliable measurement values even with low perfusion

#### PI (Masimo®)

- Display of the perfusion index as numeric vital parameter with Masimo® Rainbow® SET Technology

#### SpCO, SpHB, SpMet (Masimo®)

- New Masimo® Rainbow® SET Technology for carbon monoxide measurement (SpCO), total haemoglobin (SpHb) and Methaemoglobin (SpMet)

#### Data Management

- SD® memory card for data storage
- LAN



# corpuls<sup>1</sup> deployment

## Small, handy and flexible

You need a small and handy defibrillator/patient monitor that nevertheless is efficient and flexible?

The **corpuls<sup>1</sup>** closes the gap between AEDs for first responders and more complex defibrillator/patient monitoring systems.

## Resuscitation

Use the **corpuls<sup>1</sup>** as automatic external defibrillator (AED) or as manual defibrillator, depending on your usage situation.

## Monitoring

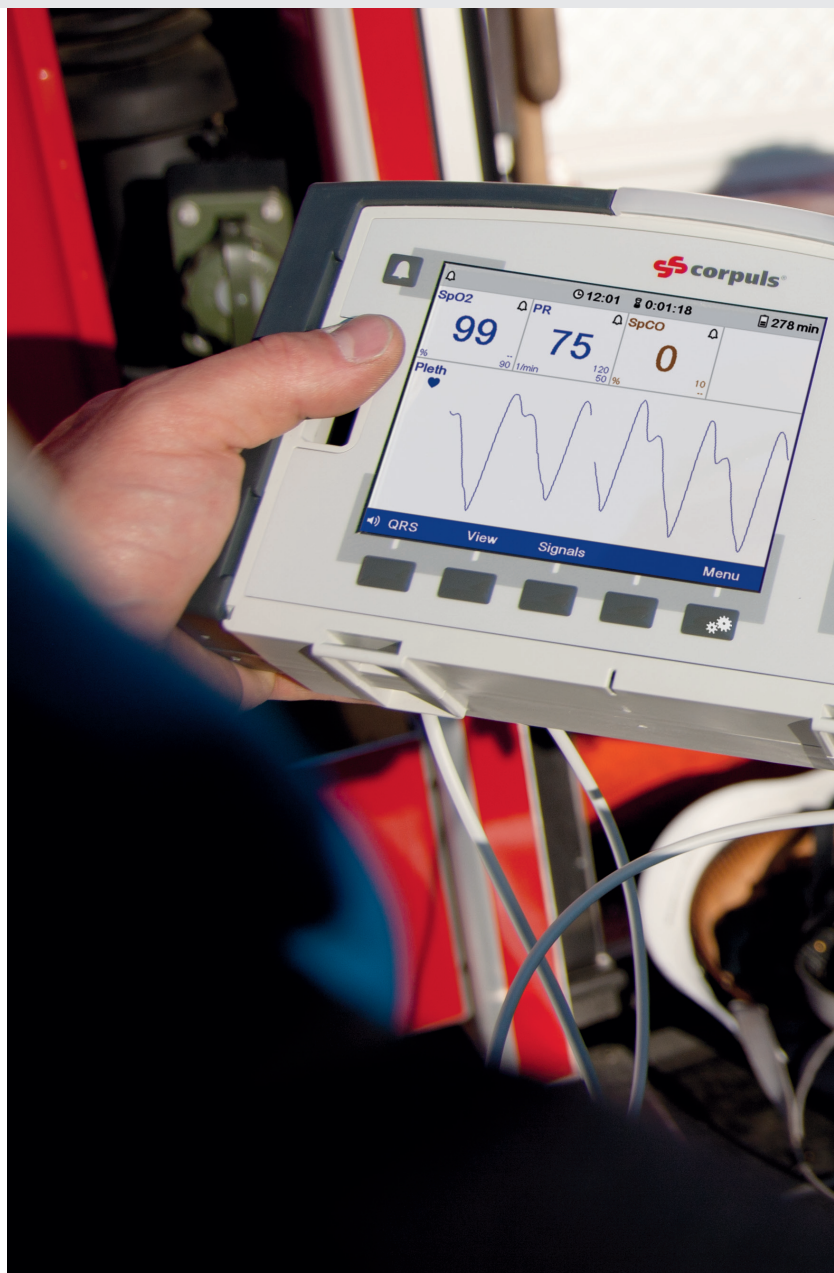
The intuitive user interface guarantees easy operation. On the 5.5" screen you can keep an eye on ECG, heart rate, plethysmogramme and vital parameters. Up to 3 curves and 4 vital parameters are displayed

## First Responder

A competent and comprehensive emergency care can be decisive for the outcome. Electrodes, sensors and cables can simply be transferred to the **corpuls<sup>3</sup>** for continued care.

## Spot measurement SpCO

Already during the mission, a SpCO measurement allows to recognise easily and early on a possible carbon monoxide poisoning, e. g. in firefighters on location.









# Compact and ergonomic

## Stable and useful bags for protection and easy access

Cables, sensors and accessories of the **corpuls<sup>1</sup>** can be stored in the side bags for protection and easy access. No more tedious connecting and disconnecting of the cables, as the cables come pre-connected in the bags. The **corPatch** therapy electrodes are in the magnetically latched front bag, pre-connected and ready to use. Additionally, the bags serve as padding for the **corpuls<sup>1</sup>** during transport.

## User-friendly charging via magnetic clip

The **corpuls<sup>1</sup>** has a magnetic contact field to which a corresponding counterpart can be fitted. So the system can be charged outside the charging bracket as well.



## Energy Management

The efficient lithium ion battery reliably supplies power to the **corpuls<sup>1</sup>** – for an extremely long time and even at -20 °C. On the display you can see the remaining running time at one glance.



## Functional Brackets

Brackets for all kinds of usage situations complement the **corpuls<sup>1</sup>** to find optimal solutions customised for your needs. No matter whether with or without power supply, the device is always securely and soundly fixated.



Secure fixation of the **corpuls<sup>1</sup>** with adapter in the **corpuls<sup>3</sup>** charging bracket





# Specifications



## General specifications:

- Dimensions (WxHxD): 26 cm x 17 cm x 9 cm
- Weight: 2.2 kg (Basic configuration, incl. battery)
- Alarm light, speakers
- Audio recording
- Operating temperature: -20 °C to +55 °C
- Power supply 12 V DC, 100 to 250 V AC with charger
- Lithium ion battery
- Dust- and splash-proof according to IP55
- Shock-proof according to DIN EN1789

## Defibrillator:

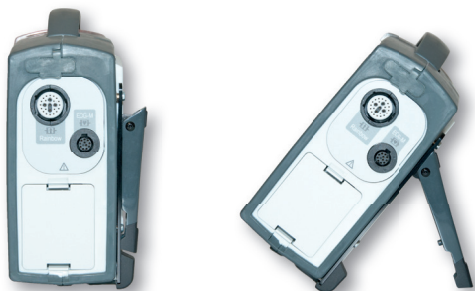
- Automatic external defibrillator (AED)
- Manual defibrillator
- 2-200 Joule, biphasic rectangular waveform, impedance compensated

## Patient monitoring system:

- 5.5" colour display, backlit
- 6-lead ECG
- Masimo® Rainbow® SET for SpO<sub>2</sub>, PI, PP, SpCO, SpHb and SpMet (optional)

## Data Management:

- SD® memory card
- LAN



Fold-out feet position the device on stable ground and in optimal viewing position

## Compatibility with corpuls<sup>3</sup>:

- Batteries, sensors, **corPatch** electrodes and cables are identical for fast transfer of the patient
- Standardised user interface for **corpuls<sup>1</sup>** and **corpuls<sup>3</sup>** allows easy handling
- Evaluation in **corView2** is possible for both systems



# Medical technology, setting the benchmark



[www.corpuls.com](http://www.corpuls.com)

## focus-on-patients

GS Elektromedizinische Geräte GmbH has been developing and manufacturing innovative high-end devices for emergency and intensive care for over 30 years.

The systems and solutions for monitoring and treating patients with life-threatening trauma or cardiovascular conditions sold under the trade name corpuls® are used every day in over 60 countries worldwide.

**corpuls®** defibrillators and patient monitoring systems have always set standards in implementing the newest medical-scientific findings as well as with regard to innovation and ergonomics. They guarantee reliable and safe assistance in the fight for human lives.

Long years of deployment of the devices in the toughest environments and ten thousands of satisfied customers are the best proof for the success of our chosen path and provide daily motivation for our employees.

The outstanding innovative achievement of the GS team has been granted several awards lately, among others the German Industrie-Preis (Industrial Award) in the category medical technology, second place at the Deutscher Innovationspreis, as „Selected landmark“ in the „Germany - Land of Ideas“ competition and an award and special award for innovation at BAYERN'S BEST 50.



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