

MEDICAL INNOVATIONS
CUSTOMIZED TO YOUR NEEDS!

COR12

The wireless ECG – a mobile solution

The COR12 is a wireless, compact ECG device made for transmitting 12-channel ECG data to any customer's host system. Its innovative and advanced technology gives way to an easy integration into any existing PC software or mobile application.

The COR12 impresses with both its usability and mobility. Thus, one of the key components is the indication of the electrode contacts via LEDs on the snaps. This procedure makes it possible to check the electrode contacts at a glance and to save time in setting up the measurement. Thanks to wireless transmission of the ECG data, patients have more freedom to move during an exercise ECG and physicians receive continuous high-quality ECG data at the same time. Furthermore, the COR12 can be purchased as a cable or plug version.

The **Bluetooth®** connection brings about several advantages such as a higher patient safety based on a galvanic isolation and a better handling of the device for both patients and medical professionals. Moreover, the COR12 consists of an important security feature as it is inaccessible for non paired Bluetooth devices by operating in an invisible mode.

With a sampling rate of 500 Hz and a digital resolution of 1.94 μV , an exceptional signal quality is guaranteed. For analysis and post-processing interpretation on PC or App, Corscience recommends the integration of the excellent Hannover ECG System – called HES®. Please ask your sales contact for further information.

The COR12 is tested on all necessary standard regulations regarding ECG devices. Beyond that, Corscience is certified according to DIN EN ISO 13485. Our experts have gained great experience in medical product development, certification and production.



Features

- 12-channel derivation (Einthoven, Goldberger and Wilson) via 10-lead cable
- Continuous ECG measurement with wireless data transmission
- Calculation of the heart rate
- Pacemaker detection
- Electrode contact indication via snap-LEDs
- 10 second buffer for wireless connection interruption
- Cable or plug version available
- White Label OEM version available

Technical Information

- Size: 80 mm x 93 mm x 21 mm (l x w x h)
- Weight with cable: ca. 200 g (without battery)
- Supply voltage: 1 accumulator / 1 AA battery
- Runtime when used constantly: 8 h with 1 accumulator and 5 h with 1 AA battery
- Built-in defibrillation protection (in the cable)
- Sampling rate per channel: 500 Hz
- Bandwidth: 0,05 Hz – 150 Hz, digital
- Also suitable for children > 20 kg and > 4 years
- Galvanically isolated due to wireless connection
- Plug version with D-Sub 15

Technical Information Bluetooth connection

- Serial transmission protocol
- Transmission range: 10 m without LOS, at least 15 m with LOS
- Security: Pairing prevents unintentional connection to other receivers
- Bluetooth version 2.1+EDR

Supported Standards and Approvals

- DIN EN 60601-1
- DIN EN 60601-1-2
- IEC 60601-2-25
- Certified medical device in the EU and US