

# COR12

## Wireless 12-channel ECG



COR12 is a compact and handy ECG device made for transmitting 12-channel ECG data via Bluetooth. Its innovative and advanced technology gives way to an easy integration into any existing PC software or mobile application. The wireless transmission brings about a better handling for physicians and patients.

### FEATURES

- Secure wireless data transmission in real time
- 12-channel derivation via 10-lead cable
- Calculation of the heart rate
- Integrated pacemaker detection
- Electrode contact indication via snap LEDs

### YOUR BENEFITS

- Integrable into any host system thanks to CE and FDA approval
- White label OEM version available
- Compatible with the established ECG algorithm HES® for analysis and post-processing on host system
- Cable and plug version available (AHA or ERC snap coding for cable version)



**BETTER HIGHTECH.  
BETTER HEALTH.**

## TECHNICAL INFORMATION

|                               |                                                                    |
|-------------------------------|--------------------------------------------------------------------|
| Sampling rate per channel:    | 500 Hz                                                             |
| Bandwidth:                    | 0.05 Hz to 150 Hz                                                  |
| Runtime when used constantly: | up to 8 hrs with 1 AA accumulator<br>up to 5 hrs with 1 AA battery |
| Bluetooth connection:         | Serial transmission protocol                                       |
|                               | 10 m transmission range without LOS; at least 15 m with LOS        |
|                               | Pairing prevents unintentional connection to other receivers       |
|                               | Bluetooth version 2.1 + EDR                                        |
|                               | 10 seconds internal buffer for wireless connection interruption    |
| Power supply:                 | 1 AA accumulator / 1 AA battery                                    |
| Operating temperature:        | +10 °C to +37 °C                                                   |
| Humidity level:               | 5 % to 95 %, non-condensing                                        |
| Air pressure level:           | 700 hPa to 1060 hPa                                                |
| Size:                         | 80 mm x 93 mm x 21 mm (LxWxH)                                      |
| Weight:                       | 200 g (incl. cable, without battery)                               |
| Other:                        | Built-in defibrillation protection (in the cable)                  |
|                               | Galvanically isolated due to wireless connection                   |
|                               | Plug version with D-Sub 15                                         |
|                               | Suitable for children > 20 kg and > 4 years                        |
|                               | CE and FDA certified medical device                                |

## APPLIED STANDARDS

IEC 60601-1:2012  
IEC 60601-1-2:2014  
IEC 60601-2-25:2011  
RoHS / REACH

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## ABOUT CORSCIENCE

Corscience GmbH & Co. KG is the one-stop shop and engineering specialist for medical technology. We develop and produce OEM modules and products which help people and save lives.