



## MEDICAL INNOVATIONS CUSTOMIZED TO YOUR NEEDS!

# BT3/6, BT12

## Wireless PC ECG Devices

**The BT3/6 and BT12 are compact, mobile, mains-independent 3-, 6- or 12-channel ECG devices. Thanks to the built-in Bluetooth wireless technology, the BT3/6 and BT12 can transmit ECG data over a certain range to a monitor or a recorder, as well as to telemedical transmission devices for further evaluation.**

The BT3/6 and BT12 can take the place of the master cable for conventional ECG monitors or ECG recorders. Especially significant here are applications where the patient's freedom of movement is beneficial, e.g. during a stress ECG. Since the patient is no longer connected to the ECG recorder or computer with cables, he can move with more freedom. The ergometer can also be placed anywhere in the room. The fields of application of the BT3/6 and BT12 also include medical applications, where long, rigid master cables cause disturbances as a result of their weight, their motion artifacts or electromagnetic interference.

The devices are characterized by their compact size and easy operability. They can be fastened to clothing, a gurney or hospital bed using a fastening clip. A pouch allows the BT3/6 and BT12 to be worn on a belt. The electrode contact, heart rate, battery level and the wireless connection are indicated on the device display. Electrodes are placed at the upper part of the body. If electrodes shall be attached to extremities longer cables are available. Self-adhesive electrodes are recommended. An adapter connection for other types of electrodes is available.

To graphically represent ECG measurements, Corscience offers the software VM300 for rest ECG. The VM300 has a built-in GDT interface. This ensures that it can be integrated in all common doctor's practice software systems.

**We would be happy to demonstrate the system to you or to adapt it to your needs.**



### Features:

- 3-channel derivation via 4-lead cable
- 6-channel derivation (Einthoven and Goldberger) via 4-lead cable
- 12-channel derivation (added: Wilson V1 – V6) via 10-lead cable
- Continuous ECG measurement with wireless data transmission
- Calculation of the heart rate with acoustic and visual signal
- Pacemaker detection

### Technical Information:

- Size: 100 mm x 60 mm x 23 mm (l x w x h)
- Weight with cable: 210 g incl. batteries (154 g without)
- Supply voltage: 2 AA batteries
- Runtime when used constantly: BT12: 9 – 13 h, BT3/6: 9 – 20 h
- Operating temperature: 0 – 40°C
- Relative humidity < 95 % non-condensing
- Built-in defibrillation protection (in the cable)
- Sampling rate per channel: 500 Hz
- Bandwidth: 0,05 Hz – 150 Hz, digital
- Exchangeable ECG cable
- Also suitable for children
- Galvanically isolated thanks to wireless connection

### Technical Information Bluetooth:

- Serial transmission protocol
- Transmission range: 30 m outdoors, 10 – 15 m indoors (without shielding walls)
- Safety: Pairing prevents faulty transmission to other receivers

### Supported Standards and Approvals:

- DIN EN 60601-1
- DIN EN 60601-1-2
- IEC 60601-2-25
- Europe: CE
- USA: 510(k) clearance