12-Channel PC ECG

custo cardio 300 | Resting and Stress ECG

ECG device custo cardio 300 (USB) / BT-A

- Mobile use on all PCs in the network (USB, Bluetooth)
- Exchangeable patient cable: banana plugs, clips, D-Sub adapter for suction system
- ECG quality control directly on the device
- Start/stop button for manual ECG recordings
- Online analysis and display of heart rate related and ventricular events during recording
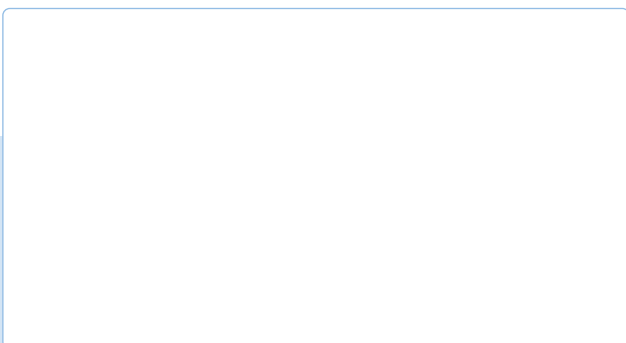- Easy and cost-effective extension to CPET

custo diagnostic (software)

- Comparison of all patients' examinations
- Comfortable reports with predefined text modules
- Clearly arranged A4 paper printouts
- Paperless medical practice: Mailing of evaluations and reports as email, fax, PDF and as evaluation file (.cst)
- Versatile connection possibilities into existing IT structures (HL7, FDA-XML, SQL, GDT, SCP)

Device variants and type designations
- *USB version: custo cardio 300*
- *Bluetooth with Li-Ion battery: custo cardio 300 BT-A*

Starting and stopping recordings manually

Display of ECG quality or recording progress

LED display, visual feedback on operating mode and battery charge status

Your authorised custo med dealer

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Technical data custo cardio 300 (USB) / BT–A

ECG channels	12
Sampling frequency	1000, 2000, 4000, 8000, 16000 (only USB), 32000 (only USB) Hz
Deviation	< 1,5%
A/D converter	24 Bit
Input impedance	> 50 MΩ
Amplitude quantification	1,525 µV/bit
CMRR	> 93 dB
Defibrillation protection	Electrical strength 5000 V (Recovery time < 5 s)
Power supply	custo cardio 300 (USB): USB cable (standard connection to PC)
	custo cardio 300 BT-A: Lithium-ion rechargeable battery
Max. power consumption	1,5 Watt
Operating time Li-ion battery	Bluetooth mode and 4 kHz max. 10 hours
Charging time Li-Ion battery	max. 3 hours in pure charging mode
IT connection	USB (cable length 3000 mm), Bluetooth
Bluetooth frequency	2.4 GHz ISM frequency band
Bluetooth range	generally 10 m, depending on ambient conditions
Patient connection	patient cable 10-wire with banana plugs or clips, D-Sub adapter
Dimensions	118 * 78 * 23 mm (L * B * H)
Weight	approx. 130 g
Patient leads	approx. 1050 mm (extremities), ca. 700 mm (chest wall)
Classification	Protection class II (USB version), device with internal power supply (BT-A, with Li-Ion battery) class IIa, type CF
Underlying standards	DIN EN 60601-1, DIN IEC 60601-2-25

Components for ECG recording:
custo cardio 300
Carrying case incl. belt
Patient cable
Disposable electrodes

Connection to the PC:
USB cable A-A, 3 m
USB universal power supply unit
Bluetooth 4.0 USB Adapter
USB extension cable A-A, 1,8 m

Optional:
D-Sub Adapter
for suction system

Comparison of evaluations

Recording with rhythm strips

True Wave® Filter Technology

Resting ECG software functions

- Single beat analysis, cumulative complexes, measurement table, interpretation
- Recording of rhythm strips

Stress ECG software functions

- Online arrhythmia detection with acoustic and visual warning function
- Predefined default profiles with the possibility for customised configuration
- Control of treadmills, sitting and supine ergometers
- Automatic recording of blood pressure, SPO2 and lactate measured values
- Summary of all examination-specific values in a report

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