

Innovative System Solutions for Resting and Stress ECG

custo cardio 300 | 400 | 400 accu



custo cardio 300

12-channel resting and stress ECG of the future

custo cardio 300 is our 12-channel resting and stress ECG for mobile use. Due to the wireless operation and the possibility to work on several workstations with one device, maximum flexibility is guaranteed. custo cardio 300 is the perfect solution for your resting and stress ECG, not least thanks to its modular operability (various patient cables, connection to suction unit, etc.).



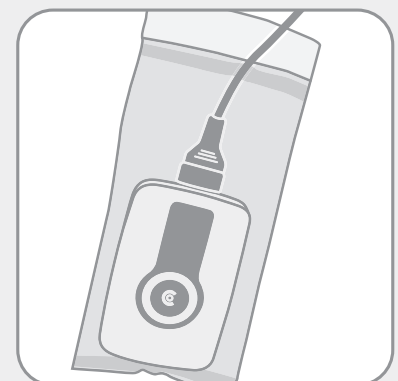
Our benefits:

- Allows wireless and mobile working
- Fast and clearly structured PC ECG due to perfect data transfer
- Maximum flexibility due to exchangeable patient cables and workstations
- Connectable to a suction system
- Automatic 10-second ECG
- Check of electrode quality at a glance
- Start/Stop button on the device or on the PC
- Approx. 10 hours battery runtime
- Easy and inexpensive extension to CPET is possible
- Complete remote control is possible
- Easy and fast disinfection
- Easy, patient-related use due to hygienically optimised capacitive key

custo clean CR3 and CR3 ergo

Hygienic and safe – the disposable bag for custo cardio 300

- Protects patients and medical staff
- Extends lifetime of the devices
- Easy to handle
- Time-saving preparation of devices
- 100 % recyclable





custo cardio 400 | 400 accu 12-channel resting and stress ECG with integrated suction system

custo cardio 400 is our resting and stress ECG with suction system in one device. It sets new standards in functionality, operability and hygiene. After intensive testing, custo cardio 400 has been awarded with the certificate of the German Society for Hospital Hygiene. By means of exchangeable, reusable suction electrodes a totally hygienic and sustainable application is guaranteed.

Our benefits:

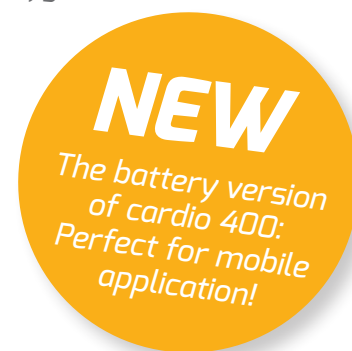
- Hygiene certificate of the German Society for Hospital Hygiene
- Suction capacity in six steps (0 - 280 mbar)
- Perfect data transfer via USB and BT
- Coloured view of the different modes

Rechargeable battery version custo cardio 400 accu

- More than 100 resting ECGs with one battery charge
- Mobile operation without additional battery

Reusable electrodes

- Gentle application due to adapted suction pressure
- Electrodes and suction lines can be easily exchanged



ECG solutions on-site

Resting and stress systems

Paperless working means more than doing without a printer. Due to the intelligent combination of smart ECG modules and modern IT components you create flexible, adaptable and low-maintenance ECG solutions for all requirements. From the fully-fledged ECG system with suction unit and rechargeable battery supply to the slim ECG with touch control.

The equipment of an ECG system is always individual. Here, we present a number of reasonable combinations. Please contact your specialist dealer for details and individual solutions.



* Stress Test System

- 12-channel resting and stress ECG custo cardio 400
- Telescopic arm
- Equipment cart custo easy plus (individually configurable)
- Ergometer custo ec 5000 smart

* CPET System

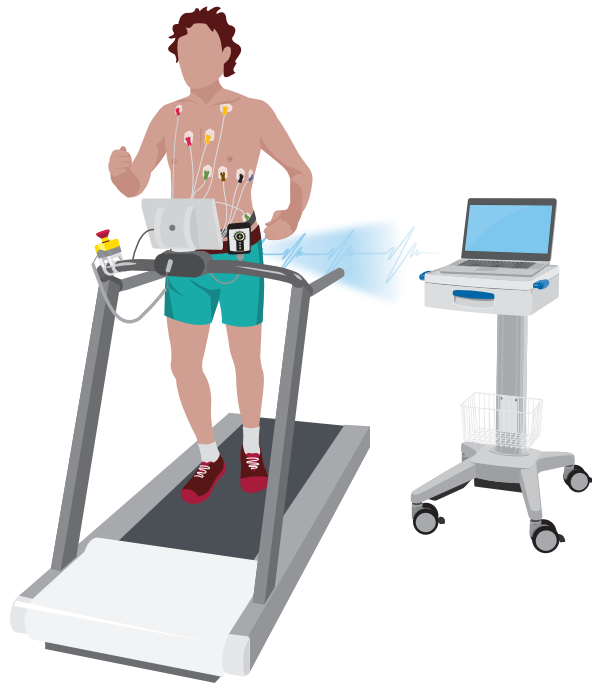
- 12-channel resting and stress ECG custo cardio 400
- Telescopic arm
- Equipment cart custo mobile (individually configurable)
- Ergometer custo ec 5000 smart
- cortex MetaLyzer®





***** *Treadmill System*

- 12-channel resting and stress ECG custo cardio 300
- Equipment cart custo easy plus (individually configurable)
- Treadmill



***** *Mobile ECG 300 / 400*

- 12-channel resting and stress ECG custo cardio 300
- or
- 12-channel resting and stress ECG custo cardio 400 accu with telescopic arm custo move
- Equipment cart custo easy plus (individually configurable)



Resting ECG features in the custo diagnostic software

- The **complete ECG at a glance!** In the **ECG overview**, the ECG is shown in **12-channel mode** over the **total recording period**. This view allows to set and display amplitude, speed and channel selection individually, so that all the details from each lead can be confirmed.
- The **tabular view of measured values** provides the user with a comprehensive overview of all determined values such as axis position, times and amplitude values of each measurement point. All this is presented well-arranged on one screen page.
- The **view of the single beat analysis** is as much part of the module as the **view of summary complexes** and the option of recording a rhythm stripe.
- The area to be analysed is **automatically adjustable or freely selectable**.
- The **evaluation comparison** allows to compare two evaluations of a patient in detail and with only one mouse click.
- The **ECG interpretation program** offers many different options, for example an interpretation for children.
- The module offers **HRV analysis**.
- Comprehensive measured value tables support the **automatic measurement and interpretation**.
- The **automatic proposal with text modules to be created individually** is an efficient means for generating precise and significant report texts in a short time.
- The **printout** summarises all results and the proposal on one page, clearly arranged.



Clearly arranged ECG view

The screenshot shows the 'Tabular view of all measured values' window. It displays a comprehensive table of ECG parameters. The top section shows 'Heart Rate' (73) and 'Axis Position' (QRS axis 72°, P Axis 77°, T Axis 68°). The 'Duration [ms]' section includes QRS (117), P (122), PQ (170), QT (374), QTc B. (413 (105%)), and QTc disp. (65). The 'Amplitude [mV]' section shows a detailed table for each lead (I, II, III, aVR, aVL, aVF, V1, V2, V3, V4, V5, V6) with columns for P, Q, R, S, R', S', T, J, and ST. The 'Duration [ms]' section also shows a detailed table for each lead with columns for Q, R, S, R', and S'.

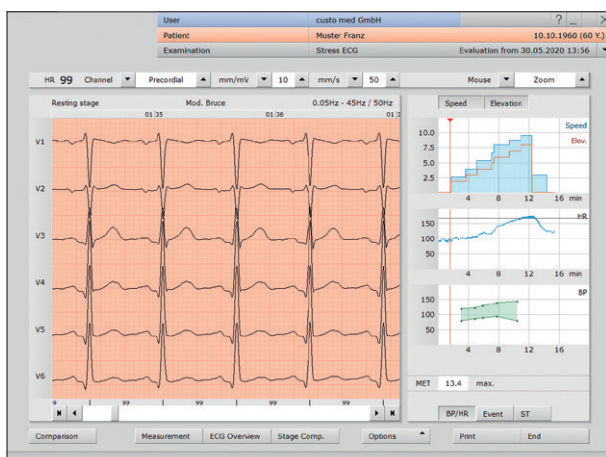
Heart Rate	73	Axis Position	QRS axis	72°	Duration [ms]	QRS	117
Average value	73	P Axis	77°	P	122		
Average R-R (ms)	822	T Axis	68°	PQ	170		
		QT		QT	374		
		QTc B.		QTc B.	413 (105%)		
		QTc disp.		QTc disp.	65		

At the bottom, there are buttons for 'Comparison', 'ECG', 'All Complexes', 'Single Complex', 'Options', 'Print', and 'End'.

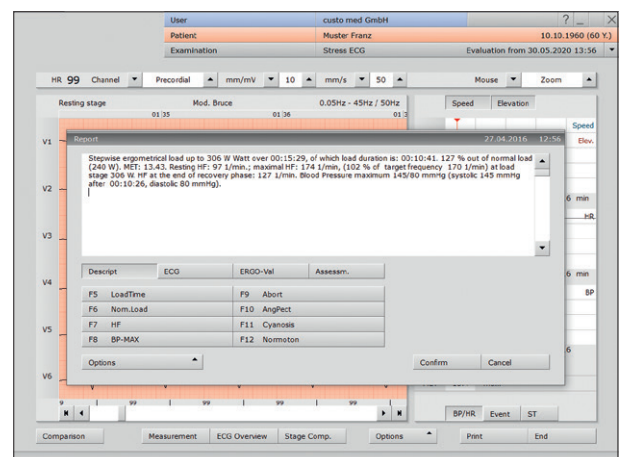
Tabular view of all measured values

Stress ECG features in the custo diagnostic software

- In the **stress test overview**, all the data and the recorded 12-channel ECG are shown well-arranged on one screen page. Exactly as in the resting ECG, all described functions are available here as well.
- The **automatic proposal with text modules to be created individually** is an efficient means for generating precise and significant report texts in a short time.
- The **view of the single beat analysis** is as much part of the module as the **view of summary complexes** which are saved in all load steps.
- **Control of treadmills, recumbent and reclining ergometers.** With an integrated interface, this is even done fully-automatically.
- The module offers **predefined standard profiles with the option of configuring them freely.** The user can intervene in the load profile manually, even during a current stress test.
- In addition to the ECG lead, the measured values of blood pressure, SpO₂ and lactate can be automatically recorded.
- **Comprehensive measured value tables** support the automatic measurement and interpretation.
- Beside the **detailed documentation** of the stress ECG on the monitor, the module has got **versatile messaging options** with acoustic or visual signals.
- The **ST segments are continuously measured** and can be displayed with the trend view of all 12 channels incl. reference view and graphics.
- The **printout** summarises all results and the proposal on one page, clearly arranged.



Clear total view of all important values



The automatic proposal

Innovative system solutions for your diagnostics

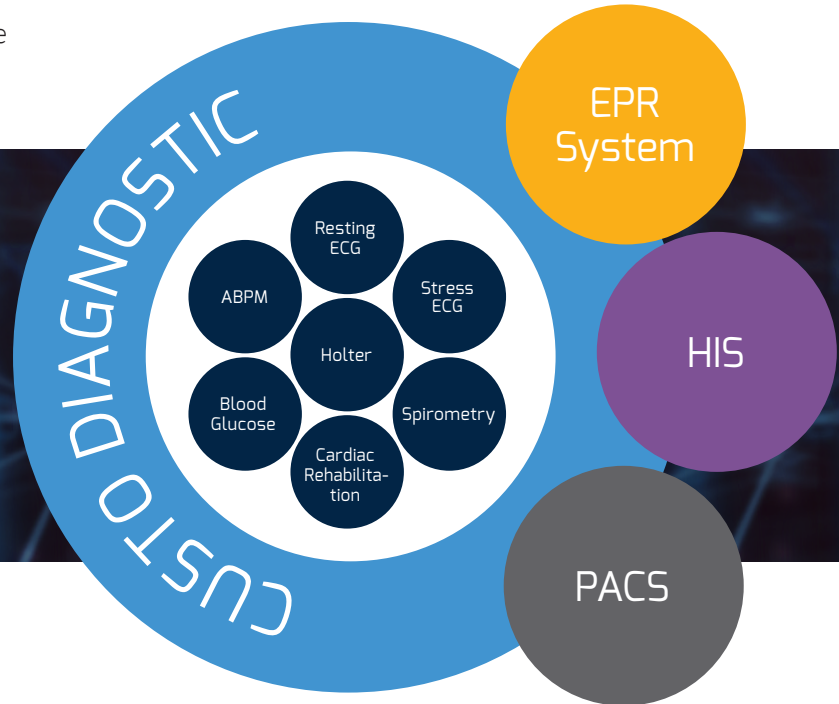
Since 1982, our brand has been representing innovative system solutions in cardiopulmonary diagnostics. In cooperation with committed and competent sales and service partners, we offer professional solutions taking account of your individual organisational circumstances and IT structures. No matter if your installation is based on a stationary or mobile system, a single-user workstation or multi-site network solution, in a doctor's office or in a hospital – your modular custo med system will be a profitable investment for the future.

Our modular platform custo diagnostic is the intelligent link between clinical engineering and administrative software.



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