

VALUE-ADDED  
DIAGNOSTICS



**custo cardio 300**

**12-channel ECG of the latest generation**

**interactive – high-resolution – modular**

[www.customed.de](http://www.customed.de)

 **custo·med**  
EXCELLENCE IN DIAGNOSTICS



## PRECISE INSIGHT

## custo cardio 300

### Resting ECG

- Sampling rate up to 32 kHz
- Exchangeable patient cables (banana plug, electrode clips)
- Connection adapter for external suction unit
- Start/Stop button for ECG recording with 10 sec. countdown display
- Measurement of pacemaker amplitude and width

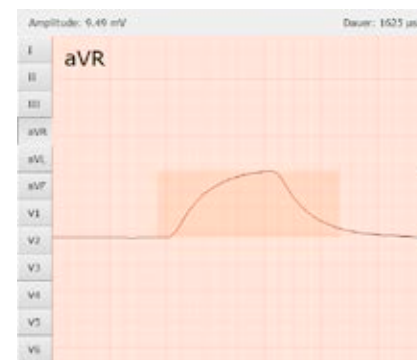
custo cardio 300 provides easy, intuitive workflow. The status displays as to ECG quality and lead-on detection are implemented via the integrated LEDs, individually for each lead. The resting ECG measurement can either be started directly on the device or via the PC. After starting, a countdown of 10 seconds is shown on the display via the LEDs.

The custo true wave® filter technology guarantees perfect ECG signal quality in every situation.



### Top precision in pacemaker measurement

The high sampling rate of 32 kHz makes for a crystal-clear view of the ECG and allows the user to have a new, more precise insight into the pacemaker signals. For the first time, it is possible to measure the pacemaker pulse amplitudes and widths exactly.



Measurement of pacemaker pulse

**NEW**



- Accumulator and battery version with up to 12 hours of runtime
- USB, BT or WiFi
- Online electrode check
- Impact-, scratch- and shock-proof
- Particularly easy to disinfect

## BEST ECG SIGNAL QUALITY

## custo cardio 300

### Stress Test ECG & CPET

custo cardio 300 is the perfect solution for stress test ECG or cardiopulmonary exercise tests on the treadmill. With the combination of the lightweight, wireless custo cardio 300 and the ECG cable lengths especially tuned to treadmill stress tests, a minimum of movement artefacts is generated. Together with the custo true wave® filter, the system ensures a stable ECG signal even with high treadmill speeds.

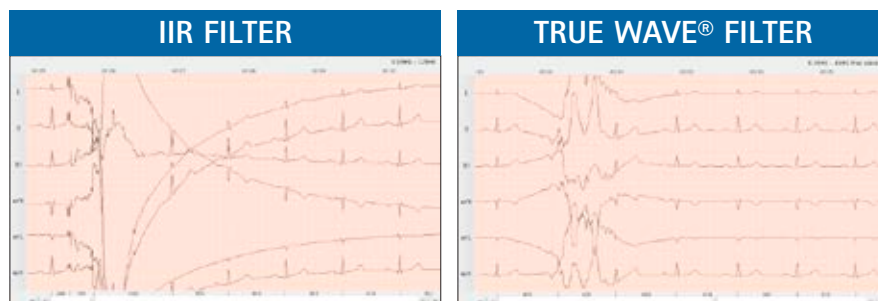


# Perfect ECG signal quality with the true wave® filter technology from custo med

Reduce disturbances to a minimum and leave the ECG unaltered – this is possible with the new true wave® filter technology from custo med. It analyses the ECG and examines the different frequency bands. Non-physiological, disturbing ECG frequencies are identified and excluded.

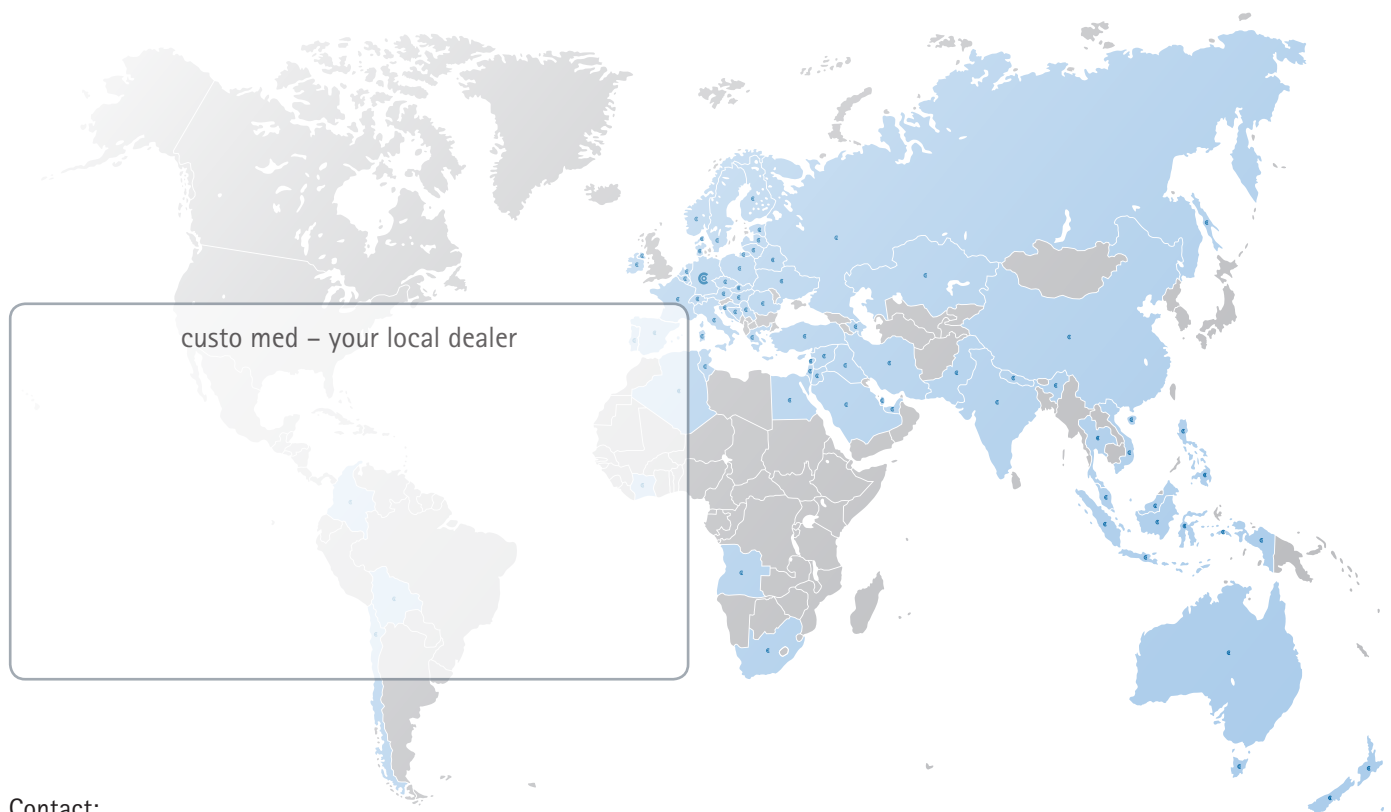
Frequency bands containing ECG information remain unaffected – the original ECG is preserved.

REQUIREMENTS	IIR FILTER	TRUE WAVE® FILTER
Original ECG	✓	✓
High offset compensation		✓
Fast offset compensation		✓
Reliable interference suppression		✓
Real-time behaviour	✓	



## Numbers and facts

- true wave® filter 0.05 – 125 Hz is standard
- true wave® does not distort any ECG components (according to EN 60601-2-25)
- true wave® generates a delay of 2 seconds at maximum
- true wave® replaces anti-drift filters
- true wave® stress test ECG filter for high speeds
- Pacemaker check with IIR filter (0.05 – 125 Hz) without delay



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