



ASPEL

CRG-601 CARDIOTEST

v.501ALFA (Cycloergometer +software)

Software

- CARDIOTEST is intended for electrocardiographic exercise tests and classic resting tests.

Functionality

- the possibility of continuous recording of high-quality waveforms from 12 ECG leads,
- cooperation with treadmills, cycloergometers or ECG transmitters,
- full archiving of performed tests,
- ECG recording on a laser printer (A4 format - 3, 6 or 12 leads),
- continuous measurement of:
 - rhythm frequency,
 - 12-lead ST level and inclination
 - ventricular arrhythmias,
- presentation of the ECG record in several different modes (3, 6 or 12 leads),
- presentation of the analysis results in the form of trends, histograms, charts three-dimensional,
- signaling of exceeding the set parameters (rhythm rate, ST level),
- signaling the detection of ventricular arrhythmias,
- quick and easy change of ECG presentation parameters (shift, gain),
- several types of filters to eliminate interference (digital filters),
- the ability to configure the software depending on the user's requirements,
- the ability to compare changes in the shape of the ECG curve,
- defining own research protocols,
- ability to record resting ECG.

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Ergometer Cooperation	<ul style="list-style-type: none"> - with the CardioTEST exercise testing system and the ASTER cardiac rehabilitation system
Funcionality	<ul style="list-style-type: none"> - load regulation in the range from 25 to 1001 W - RPM measuring range from 20 to 150 RPM - cycloergometer operation control via a PC computer through the RS-232 or USB interface - load independent of the number of revolutions - braking via processor-controlled brake - adaptation of driving speed to individual patient predispositions - built-in ECG module
Built-in ECG module	<ul style="list-style-type: none"> - 12 standard leads in diagnostic mode or 2 leads in training mode - sensitivity 2.5 / 5/10/20 mm / mV - recording speed 25/50/100 mm / s - frequency range 0.05-150 Hz - HR 15 - 240 bpm measurement range - 25 Hz, 35 Hz, 50 Hz digital filters, anti-drift filter - defibrillation-resistant CF application part (EN 60601-1)
Operating mode	<ul style="list-style-type: none"> - continuous or continuous operation with intermittent loading
Physical parameters	<ul style="list-style-type: none"> - dimensions: 1030x580x1240 mm, weight: 41 kg, max user weight: 201 kg, - rotational speed 20 - 150 rpm +/- 4 rpm
Electrical parameters	<ul style="list-style-type: none"> - power supply: external power supply CRG 200-M24 (integral part of the CRG 200 cycloergometer) - supply voltage: 100 - 240 VAC; 47 - 63 Hz - maximum power consumption: 2 A (for 100 V - 120 V); 1 A (for 220 V - 240 V) - DC socket: 24 V; 2 A max
Security norms	<ul style="list-style-type: none"> - operational safety: EN 60601-1 - electromagnetic compatibility: EN 60601-2 - medical device class: IIa (rule 10) - type of protection against electric shock (EN 60601-1): Class II - training device classification (EN ISO 20957-1): Class SA - device class and group according to CISPR-11: Class A, group 1 - IP protection class: IP X0
Standard equipment	<ul style="list-style-type: none"> - AC adapter - network cable - data transmission cable - Warranty Card - instructions for use - patient cable for the KEKG 51 exercise system - patient cable for cardiac rehabilitation KEKG 52 - disposable electrodes (50 pcs.) - abrasive paste
Certificates	<ul style="list-style-type: none"> - CE 0197 - EN ISO 13485 - MDD/93/42/EEC