



28 years of excellence in medical equipment

## CardioTEST Alfa System B612 v.401



### PROFESSIONAL TOOL FOR RESTING AND EXERCISE ECG EXAMINATIONS

<b>Product</b>	<b>CardioTEST Alfa System B-612 v.401</b> consists of: <ul style="list-style-type: none"><li>▲ Treadmill B-612 - model C v.001</li><li>▲ CardioTEST software</li></ul>
<b>Product code</b>	07-103-0014
<b>Treadmill B-612 – model C v. 401</b>	
<b>Speed</b>	Speed range from 0-20 km/h, settable by every 0,1 km/h
<b>Inclination range</b>	Inclination range from 0-25%, settable by every 0,5%
<b>Operating dimensions of band</b>	<ul style="list-style-type: none"><li>▲ Length – 1300 mm</li><li>▲ Width – 500 mm</li></ul>
<b>ZERO START function</b>	Function ZERO START available
<b>Safety switch off button</b>	Safety switch off button – stops the treadmill
<b>Inclinometer</b>	In-built inclinometer assuring automatic levelling of a treadmill to the floor surface
<b>ECG module</b>	<ul style="list-style-type: none"><li>▲ <b>ECG signals:</b> 12 standard leads in diagnostic mode 2 standard leads in training mode</li><li>▲ <b>HR measuring range:</b> 15-240 bpm</li><li>▲ <b>HR measuring error:</b> +/-2%</li><li>▲ <b>HR resolution:</b> 1 bpm</li><li>▲ <b>Monitoring range of ST section:</b> +/-3mm (10mm/mV)</li><li>▲ <b>ST measuring error:</b> +/-0.2mm (10mm/mV)</li><li>▲ <b>ST resolution:</b> 0.1mm (10mm/mV)</li><li>▲ <b>Sensitivity:</b> 2.5/5/10/20 mm/mV</li></ul>

	<ul style="list-style-type: none"> <li>⤴ <b>Record speed:</b> 25/50/100 mm/s</li> <li>⤴ <b>Filters:</b> digital filters 25 Hz, 35 Hz, 50Hz anti-drift filter</li> </ul>
<b>Supply</b>	230 V, 50Hz
<b>Max power consumption</b>	2300 VA
<b>Max weight of an user</b>	150 kg
<b>Weight of a treadmill</b>	170 kg
<b>Dimensions</b>	(LxWxH) 2030 x 830 x 1250 mm
<b>Safety norms</b>	<ul style="list-style-type: none"> <li>⤴ Protection against electric shock (EN 60601-1) – Class I device</li> <li>⤴ Classification of training equipment (EN 957-1) – Class SC</li> <li>⤴ CF type parts resistant to defibrillation,</li> <li>⤴ IP protection class – IP 00</li> <li>⤴ Device class and group acc.to CISPR-11 – Class B, Group 1</li> <li>⤴ Medical device class – IIa (rule 10)</li> <li>⤴ Operation safety – EN 60601-1</li> <li>⤴ Electromagnetic compatibility – EN 60601-1-2</li> </ul>
<b>Connection interface</b>	⤴ RS-232 – connection to PC which controls the work of a treadmill
<b>Certificates</b>	<ul style="list-style-type: none"> <li>⤴ CE 0197</li> <li>⤴ EN ISO 9001:2008</li> <li>⤴ EN ISO 13485:2003 + AC:2007</li> <li>⤴ MDD/93/42/EEC</li> </ul>
<b>Standard accessories</b>	<ul style="list-style-type: none"> <li>⤴ Patient cable KEKG 51 v.002 (07-110-0007)</li> <li>⤴ Disposable electrodes LLL-510 – 90 pcs (07-110-0021)</li> <li>⤴ Abrasive paste EVERY v.001 (07-110-0090)</li> </ul>
<b>CardioTEST software</b>	
<b>Functional features</b>	<ul style="list-style-type: none"> <li>⤴ Recording of 12 standard leads according to Eithoven, Goldberg, Wilson and Cabrer</li> <li>⤴ Automatic measurement of HR, ST level and slope</li> <li>⤴ Automatic ergometer or treadmill control or other unit which can realize "TRACKMASTER" protocol</li> <li>⤴ Reanalysis option for conducted examinations</li> <li>⤴ Printing and archiving of report</li> </ul>
<b>Registration and observation</b>	<ul style="list-style-type: none"> <li>⤴ Simultaneous registration and observation of ECG signal from all 12 leads on PC screen</li> <li>⤴ Registration and observation of average P-QRS-T complexes from all 12 leads, ST level and slope in on-line mode</li> <li>⤴ Observation of measuring points – BL, J and ST with a manual correction possibility</li> <li>⤴ Registration and observation of current HR</li> <li>⤴ Presentation of examination phase parameters: <ul style="list-style-type: none"> <li>- current loading</li> <li>- time of an examination stage</li> <li>- total exercise duration</li> </ul> </li> <li>⤴ PMHR control</li> <li>⤴ Observation of % PMHR</li> <li>⤴ Registration and observation of MET</li> <li>⤴ Registration and observation of RPP</li> <li>⤴ Registration and observation of DPR</li> <li>⤴ Review of trends of all measured parameters during examination</li> </ul>
<b>Protocols</b>	<ul style="list-style-type: none"> <li>⤴ Pre-programmed protocols</li> <li>⤴ User -designed protocols</li> <li>⤴ RAMP protocol</li> </ul>

<b>Printing and archiving</b>	<ul style="list-style-type: none"> <li>⤴ Printout on a laser printer on A4 size paper</li> <li>⤴ Real-time printing of ECG curves</li> <li>⤴ Printing and archiving examination reports which contain: <ul style="list-style-type: none"> <li>- patient's data</li> <li>- full disclosure ECG of the whole recording</li> <li>- selected strips</li> <li>- average P-QRS-T complexes</li> <li>- table summary</li> <li>- load value, HR</li> <li>- ST level and slope</li> <li>- MET</li> </ul> </li> <li>⤴ on screen review of a report before its printing option</li> <li>⤴ 3D presentation method of ST level changes from 12 channels simultaneously</li> </ul>
<b>Sensitivity</b>	2,5/ 5/10/20 mm/mV
<b>Speed</b>	25/50/100 mm/s
<b>Filters</b>	<ul style="list-style-type: none"> <li>⤴ Contour line filters; filters available: 0.15Hz, 0.45Hz, 0.75Hz, 1.5Hz</li> <li>⤴ Mains disturbance filter – 50Hz,60Hz</li> <li>⤴ Muscular disturbances filter – 25Hz, 35Hz, 45Hz</li> <li>⤴ Automatic regulation of isoelectric line position in the middle of registration channel</li> </ul>
<b>Compatible with</b>	<ul style="list-style-type: none"> <li>⤴ Ergometer CRG 200 v.001(07-103-004)</li> <li>⤴ Treadmill B612-model C v.001 (07-103-003)</li> <li>⤴ AsPEKT 500 KBKKG2 v.001 (07-103-008)</li> </ul>
<b>Certificates</b>	<ul style="list-style-type: none"> <li>⤴ CE 0197</li> <li>⤴ EN ISO 9001:2008</li> <li>⤴ EN ISO 13485:2003 + AC:2007</li> <li>⤴ MDD/93/42/EEC</li> </ul>