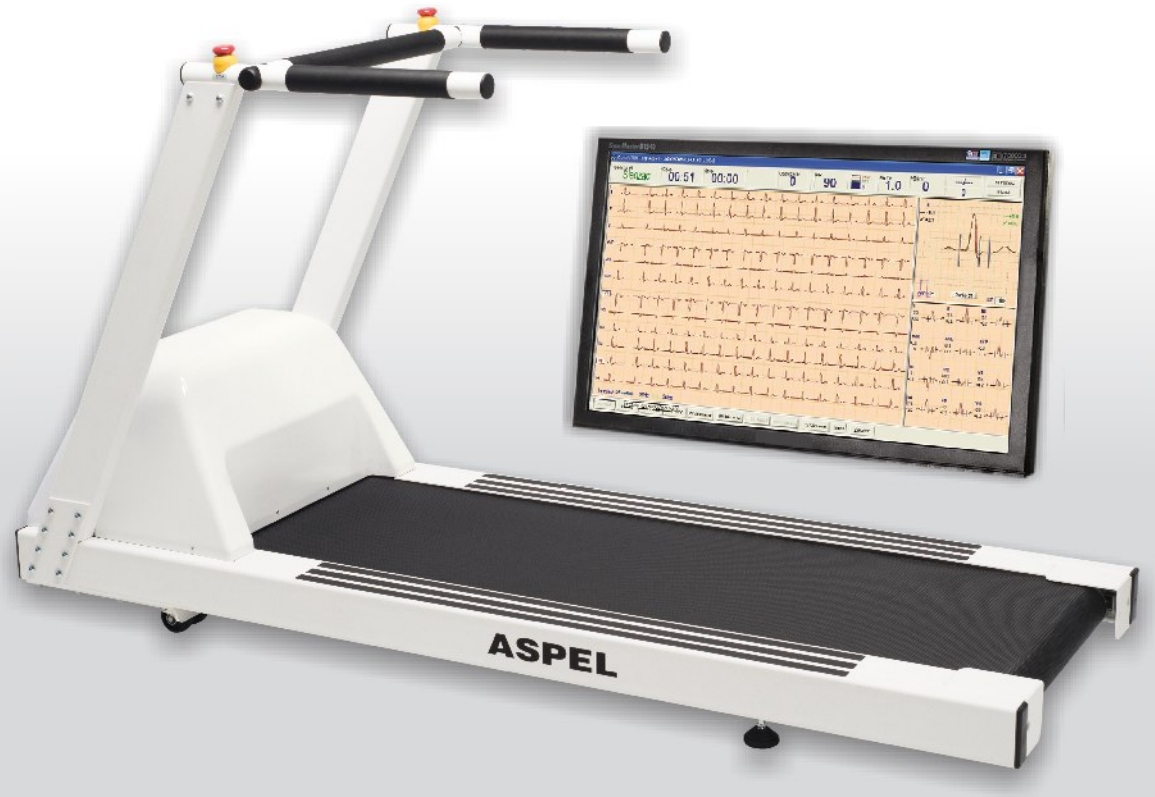
ASPEL
MEDICAL EQUIPMENT

CardioTEST Alfa System B612



Product	CardioTEST Alfa System B612 consists of: • Treadmill B612 – model C • CardioTEST software
	Treadmill B612 – model C
Speed	
Inclination range	inclination range from 0-25%, settable by every 0,5%
Operating dimensions of band	• length – 1500 mm • width – 500 mm
ZERO START function	function ZERO START available
Safety switch off button	safety switch off buttons, stops the treadmill. In standard are 2 pcs., on handrails and one external switch button for a medical personnel
Inclinometer	in-built inclinometer assuring automatic leveling and adjusting of a treadmill

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In-built ECG module	• ECG signals: 12 standard leads in diagnostic mode • HR measuring range: 25 - 300 bpm ± 2% • HR resolution: 1 bpm • monitoring range of ST section: ±3 mm (10 mm/mV) • ST wave change monitoring range: ±3 mm, ±0.2 mm at 0.1 mm resolution for 10 mm/mV • sensitivity: 2.5/5/10/20 mm/mV • record speed: 25/50/100 mm/s • filters: - network interferences: none, 50 Hz, 60 Hz - muscle interferences: none, 25 Hz, 35 Hz, 45 Hz - isoline filter: none, 0,15 Hz, 0,45 Hz, 0,75 Hz, 1,5 Hz
Power supply	230 V, 50 Hz
Max power consumption	230V/50 Hz, below 10 A
Max weight of an user	180 kg
Weight of a treadmill	185 kg
Dimensions	(LxWxH) 1999 x 747 x 1217 mm
Safety norms	• safety of use: PN-EN 60601-1, PN-EN 957-1, PN-EN 957-6 • electromagnetic compatibility: PN-EN 60601-1-2 • medical device class: IIa (rule 10) • type of protection against electric shock (PN-EN 60601-1): Class I • classification of the training equipment (PN-EN 957-1): Class SA • class and group of equipment acc. to CISPR-11: Class A, group 1 • application part (PN-EN 60601-1): Type CF, resistant to defibrillation • protection class IP: IP X0
Connection interface	RS-232 or USB – connection to PC which controls the work of a treadmill
Certificates	• CE 0197 • EN ISO 9001 • EN ISO 13485 • MDD 93/42/EEC
Standard accessories	• patient cable KEKG 51 • disposable electrodes LLL-510 • abrasive paste EVERY

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CardioTEST software

Functional features	• recording of 12 standard leads according to Einthoven, Goldberg, Wilson and Cabrer • automatic measurement of HR, ST level and slope • possibility of cooperation with treadmills operating TrackMaster protocol • possibility of cooperation with ergometers operating Ergoline protocol • reanalysis option for conducted examinations • printing and archiving of report
Registration and observation	• simultaneous registration and observation of ECG signal from all 12 leads on PC screen • registration and observation of average P-QRS-T complexes from all 12 leads, ST level and slope in on-line mode • observation of measuring points – BL, J and ST with a manual correction possibility • registration and observation of current HR • presentation of examination's phase parameters: - current loading - time of an examination stage - total exercise duration • PMHR control • observation of % PMHR • registration and observation of MET • registration and observation of DPR • review of trends of all measured parameters during examination • automatic analysis of arrythmias • option of automatic blood pressure measurement • alarms for monitoring parameters and arrythmias
Protocols	• pre-programmed protocols • user -designed protocols • RAMP protocol
Printing and archiving	• printout on a laser printer on A4 size paper • real-time printing of ECG curves • printing and archiving examination reports which contain: - patient's data - full disclosure ECG of the whole recording - selected strips - average P-QRS-T complexes - table summary - load value, HR - ST level and slope - MET • on screen review of a report before its printing option

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Sensitivity	2,5/5/10/20 mm/mV
Speed	25/50/100 mm/s
Filters	• isoline filters • mains disturbance filter – 50 Hz • muscular disturbances filter – 25 Hz, 35 Hz
Compatible with	• ergometer CRG 200 • treadmill B612 – model C • AsPEKT 500 KBEKG2
Certificates	• CE 0197 • EN ISO 9001 • EN ISO 13485 • MDD 93/42/EEC