ASPEL
MEDICAL EQUIPMENT

AsCARD Grey



ECG signals	12 standard leads according to Einthoven, Goldberg, Wilson and Cabrer
Working mode	automatic and manual
Printout	• 3/6/12 channels • settable printout accuracy – thickness of printed curve lines • A4 printout directly on an external PCL5/6 printer option
Analysis and interpretation	• automatic analysis and interpretation in compliance with EN 60601-2-51 (CSE database) • depends on age and gender of a patient
Heart pacemaker detection	• detection of heart pacemaker peaks • acoustic signalling of detected beats
Functional features	• database of patients and examinations • menu displayed on a touch screen for easy operation • multilingual menu • ECG examination on an open heart available • function of taking orders and returning transmission of taken ECG in HL7 standard via Internet • ECG-M@IL function for examinations sending to an e-mail address • wireless (WiFi) and wire communications with LAN and ethernet • EMR – archiving of examinations of chosen period on external USB memory • possibility of conducting screening spirometry examinations by using SPIRO-31 attachment • saving ECG examinations in formats: CadioTEKA (.a01), SCP in EN 1064 standard, PDF, AsECG-XML • signalisation of accumulator voltage reduction and charging • INOP signalisation independent for each electrode

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Display	• LCD TFT 7” colour touch screen with WVGA 800x480 resolution • presentation of 3, 6, 12 leads on a screen • reviewing saved examinations on a screen • presentation of analyses and interpretation on a screen
Keyboard	membrane alphanumeric keyboard with functional keys
Sensitivity	2.5/5/10/20 mm/mV
Speed	5/10/25/50 mm/s
Filters	• contour line filters; filters available: 0.15 Hz, 0.45 Hz, 0.75 Hz, 1.5 Hz • mains disturbance filter – 50 Hz, 60 Hz • muscular disturbances filter – 25 Hz, 35 Hz, 45 Hz
Paper	• EASY LOAD – automatic paper loading system • thermoactive, wax and dust free • 112 mm wide
Memory	memory of 1000 examinations and patients
Power supply	• main supply 100-240, 47-63 Hz • internal accumulator with charger, 7.2V/2.2Ah to perform 130 automatic examinations
Communication interface	• USB Host x 2 – communication with an external PCL5/6 printer and/or FlashDrive • USB Device – communication with PC • ethernet – communication with a local network, WiFi
Safety norms	• protection against electric shock (EN 60601-1): Class I device • CF type parts resistant to defibrillation, Applicant part (EN 60601-1) • device class and group according to CISPR-11: Class A, Group 1 • medical device class: IIa (rule 10) • IP protection class: IP X0 • operation safety: EN 60601-1, EN 60601-2-25 • electromagnetic compatibility: EN 60601-1-2
Dimensions	(LxWxH) 258x199x50 mm
Weight	1.3 kg
Gross weight/packing dimensions	3.2 kg/(LxWxH) 350x245x130 mm

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Standard accessories	• patient cable KEKG30 • suction electrodes EPP – set of 6 • clamp electrodes EKK – set of 4 • ECG gel – 250 g • ECG paper RA4 – 1 pc • ethernet cable • supply cable
Optional accessories	• safety carry bag for medical equipment WMB5 • ECG paper RA4 • trolley WB5 • trolley W30W • archiving and database software – CardioTEKA • spirometry attachment SPIRO-31
Compatible with	• PC • USB memory • external printer PCL5/6 • archiving and database software – CardioTEKA
Certificates	• CE 0197 • EN ISO 9001 • EN ISO 13485 • MDD 93/42/EEC • CFS