FAZZINI

medical devices

ECG, Doppler fetale
ECG, Foetal doppler
ECG, Echo portable
ECG, Eco doppler
ECG, Fetální doppler

6

ELETTROCARDIOGRAFI
ELECTROCARDIOGRAPHS
ELECTROCARDIOGRAPHES
ELECTROCARDIOGRAFOS
ELEKTROKARDIOGRAFY

DOPPLERS
DOPPLERS
DOPPLERS
DOPPLERS
DOPPLERY

ACCESSORI
ACCESSORIES
ACCESSOIRES
ACCESORIOS
PŘÍSLUŠENSTVÍ

TUTTI I DISPOSITIVI MEDICI SONO CONFORMI ALLA DIRETTIVA 93/42/CEE
ALL MEDICAL DEVICES ARE MANUFACTURED IN CONFORMITY TO DIRECTIVE 93/42 CEE





CE 0123

SE1 ~ ECG

Completamente digitale • Dispaly a LCD grafico, parametri configurabili • Stampante termica ad alata risoluzione • Batteria ricaricabile interna al Litio • Tensione 110-220V • Pannello a sfioramento (touch) • Ingressi ed uscite, porta RS232 • ECG automatico con parametri ed analisi • Filtri digitali, anti-sbandamenti, AC, EMG • Linea di base automatica, ottimizzazione della posizione di stampa • Funzionamento Auto/Manuale • Lead posizionamento elettrodi

Accessori standard:
1 cavo ECG
6 elettrodi precordiali
4 pinze arti
1 batteria al Litio
1 rotolo carta (50mm x 30mt)

medical devices

SE1 ~ ECG

Complete digital design • Folding up LCD display waveforms, parameters configurable • High resolution thermal printing • Built-in rechargeable lithium battery, AC/DC supply • Well designed touch panel • Input/Output and RS-232 port, network capability • Automatic ECG parameter measurement and analysis • Complete digital filter, avoid baseline drift, AC, EMG interfere • Baseline automatic adjustable, optimize printing position • Auto/manual operation selectable • Lead-Off detection and display

Standard accessories:
1 pc ECG Cable
6 pcs precordial suction electrode
4 pcs Limb clamp electrode
1 pc Lithium battery
1 pc Recording Paper (50mm x 30mt)

SE1 ~ ECG

Ecran LCD graphique, paramètres configurables • Imprimante thermique haute résolution • Batterie rechargeable interne au lithium
• Voltage 110-220V • Panneau tactile • Entrées et sorties, porte RS232
• ECG automatique avec paramètres et analyse • Filtres numériques, anti-dérapage, AC, EMG • Ligne de base automatique, optimisation de la position d'impression • Fonctionnement Auto/Manuel • Led positionnement électrodes

Accessoires standards:
1 Câble ECG
6 Electrodes précordiales
4 Pinces membres
1 Batterie au lithium
1 Rouleau papier (50 mm x 30 m)

SE1 ~ ECG

Completamente digital • Display gráfico de cristales líquidos, con parámetros configurables • Impresora térmica de alta resolución • Incorpora batería de litio recargable • Voltaje: 110-220 V. • Pantalla Touch Screen
• Entradas y salidas: puerto RS232 • Electrocardiograma (ECG) automático, con parámetros y análisis • Filtros digitales, anti-deriva, con AC y EMG.
• Línea básica automática, optimización de la ubicación para la impresión
• Funcionamiento Automático/Manual • Posicionamiento de los electrodos: frontal.

Accesorios estándar:
1 cable para electrocardiograma (ECG)
6 electrodos precordiales
4 pinzas para las extremidades
1 batería de litio
1 rollo de papel (50 mm x 30 metros).

SE1 ~ ECG

Plně digitální přístroj • Grafický LCD displej, nastavitelné parametry
• Termotiskárna s vysokým rozlišením • Vestavěný lithiový akumulátor
• Napájecí napětí 110-230V • Membránová klávesnice • Komunikační rozhraní RS232 • Interpretace EKG parametrů • Digitální filtr, artefaktový filtr, AC, EMG • Automatické nastavení nulové linie na tiskárně • Režim automatický/manuální • Automatická pozice elektrod

Standardní příslušenství:
1 pacientský kabel EKG
6 hrudních elektrod
4 končetinové elektrody
1 lithiový akumulátor
1 ročička termopapíru(50mm x 30m)

WE RESERVE THE RIGHT TO CHANGE TECHNICAL SPECIFICATIONS WITHOUT PRIOR NOTICE.

FAZZINI





CE 0123

SE3A ~ ECG CON INTERPRETAZIONE

Completamente digitale, con interpretazione • Display grafico a LCD , parametri configurabili • Acquisizione simultanea 12 elettrodi • Stamapnte termica ad alta risoluzione • Batteria ricaricabile al Litio • Pannello a sfioramento (touch) • Ingresso/uscita, porta RS232, USB, Ethernet • Analisi automatica ECG calcolo parametri e misurazioni • Filtri digitali, antisbandamento, AC, EMG • Linea di base automatica, ottimizzazione della posizione di stampa • Auto/manuale • Controllo posizione elettrodi • Formato di stampa selezionabile

Accessori standard: *1 cavo paziente ECG • 6 elettrodi precordiali a suzione • 4 pinze arti • 1 batteria al litio • 1 rotolo di carta (80mm x 20mt)*

Accessori a richiesta: *Software per l'analisi automatica e diagnostica • Elettrodi disposable • Cavo ECG • Cavo connessione a defibrillatore per cardioversione • Cavo di connessione in/out*

medical devices

SE3A ~ ECG WITH INTERPRETATION

Complete digital design , with intrpretation • Folding up LCD display waveforms, parameters configurable • 12 Leads simultaneously acquisition • High resolution thermal printing • Built-in rechargeable lithium battery, AC/DC supply • Well designed touch panel • Input/Output and RS-232 port, USB, Ethernet • Automatic ECG parameter measurement and analysis • Complete digital filter, avoid baseline drift, AC, EMG interfere • Baseline automatic adjustable, optimize printing position • Auto/manual operation selectable • Lead-Off detection and display • Selectable printing format: Standard 3 lead, rhythm lead, 3/2 lead, manual one lead

Standard accessories: *1 pc ECG Cable • 6 pcs precordial suction electrode • 4 pcs Limb clamp electrode • 1 pc Lithium battery • 1 pc Recording Paper (80mm x 20mt)*

Accessories on request: *Auto Analyzing and Diagnostic Software • disposable electrodes • ECG Cable • defibrillate connecting cable • input-output connecting cable*

SE3A ~ ECG AVEC INTERPRÉTATION

Ecran graphique LCD, avec interprétation • Paramètres configurables • Saisie simultanée 12 électrodes • Imprimante thermique haute résolution • Batterie rechargeable au lithium • Panneau tactile • Entrée/sortie, porte RS232, USB, Ethernet • Analyse automatique ECG, calcul paramètres et mesures • Filtres numériques, anti-dérapage, AC, EMG • Ligne de base automatique, optimisation de la position d'impression • Auto/manuel • Contrôle position électrodes • Format d'impression sélectionnable

Accessoires standards: *1 Câble patient ECG • 6 Electrodes précordiales de succion • 4 Pinces membres • 1 Batterie au lithium • 1 Rouleau de papier (80mm x 20mt)*

Accessoires sur demande: *Logiciel d'analyse automatique et de diagnostic • Electrodes jetables • Câble ECG • Câble de connexion sur défibrillateur pour cardioversion • Câble de connexion in/out*

SE3A ~ ECG CON INTERPRETACION

Completamente digital, con interpretacion • Display gráfico de cristales líquidos, con parámetros configurables • Adquisición simultánea de 12 derivaciones ECG, por medio de sendos electrodos • Impresora térmica de alta resolución • Batería de litio recargable • Pantalla Touch Screen. • Entrada/salida: puertos RS232, USB y Ethernet • Análisis automático del electrocardiograma, con el cálculo de los parámetros y mediciones • Filtros digitales, anti-deriva, AC, EMG • Línea básica automática, con optimización de la ubicación de la impresión • Funcionamiento Automático/Manual • Control de la ubicación de los electrodos • Selección del formato de la impresión.

Accesorios: *1 cable para el paciente (ECG) • 6 electrodos precordiales, con ventosas • 4 pinzas para las extremidades • 1 batería de litio 1 rollo de papel (80mm x 20 mt).*

Accesorios bajo demanda: *Software para efectuar el análisis automático y el diagnóstico • Electrodos desechables • Cable para electrocardiograma (ECG) • Cable para conectarlo con el desfibrilador, a fin de realizar la cardioversión • Cable de conexión entrada/salida*

EKG S VYHODNOCENÍM ~ SE3A

Plně digitální přístroj, Svyhodnocením • Grafický LCD displej, nastavitelné parametry • Současný záznam 12 svodů • Termotiskárna s vysokým rozlišením • Vestavěný lithiový akumulátor • Membránová klávesnice • Komunikace: vstup/výstup, RS232, USB, Ethernet • Automatické vyhodnocení EKG parametrů, výpočet naměřených parametrů • Digitální filtr, artefaktový filtr, AC, EMG • Automatické nastavení nulové linie na tiskárně • Automatický/manuální provoz • Nastavení elektrod • Nastavitelný formát tisku

Standardní příslušenství: *1 pacientský kabel EKG • 6 hrudních elektrod • 4 končetinové elektrody • 1 lithiový akumulátor • 1 rolička termopapíru(80mm x 20m)*

Příslušenství na požádání: *Software pro automatickou diagnostiku • Jednorázové elektrody • Pacientský kabel • Pacientský kabel s ochranou proti defibrilačnímu pulzu • Komunikační kabel vstup/výstup*

WE RESERVE THE RIGHT TO CHANGE TECHNICAL SPECIFICATIONS WITHOUT PRIOR NOTICE.

FAZZINI



CE 0123

SE3P ~ ECG CON INTERPRETAZIONE

Completamente digitale, con interpretazione • Display grafico a LCD , parametri configurabili • Acquisizione simultanea 12 elettrodi • Stamapnte termica ad alta risoluzione • Batteria ricaricabile al Litio • Pannello a sfioramento (touch) • Ingresso/uscita, porta RS232, USB, Ethernet • Analisi automatica ECG calcolo parametri e misurazioni • Filtri digitali, antisbandamento, AC, EMG • Linea di base automatica, ottimizzazione della posizione di stampa • Auto/manuale • Controllo posizione elettrodi • Formato di stampa selezionabile

Accessori standard: *1 cavo paziente ECG • 6 elettrodi precordiali a suzione • 4 pinze arti • 1 batteria al litio • 1 rotolo di carta (80mm x 20mt)*

Accessori a richiesta: *Software per l'analisi automatica e diagnostica • Elettrodi disposable • Cavo ECG • Cavo connessione a defibrillatore per cardioversione • Cavo di connessione in/out*

medical devices

SE3P ~ ECG WITH INTERPRETATION

Complete digital design , with intrpretation • Folding up LCD display waveforms, parameters configurable • 12 Leads simultaneously acquisition • High resolution thermal printing • Built-in rechargeable lithium battery, AC/DC supply • Well designed touch panel • Input/Output and RS-232 port, USB, Ethernet • Automatic ECG parameter measurement and analysis • Complete digital filter, avoid baseline drift, AC, EMG interfere • Baseline automatic adjustable, optimize printing position • Auto/manual operation selectable • Lead-Off detection and display • Selectable printing format: Standard 3 lead, rhythm lead, 3/2 lead, manual one lead

Standard accessories: *1 pc ECG Cable • 6 pcs precordial suction electrode • 4 pcs Limb clamp electrode • 1 pc Lithium battery • 1 pc Recording Paper (80mm x 20mt)*

Accessories on request: *Auto Analyzing and Diagnostic Software • disposable electrodes • ECG Cable • defibrillate connecting cable • input-output connecting cable*

SE3P ~ ECG AVEC INTERPRÉTATION

Ecran graphique LCD, avec interprétation • Paramètres configurables • Saisie simultanée 12 électrodes • Imprimante thermique haute résolution • Batterie rechargeable au lithium • Panneau tactile • Entrée/sortie, porte RS232, USB, Ethernet • Analyse automatique ECG, calcul paramètres et mesures • Filtres numériques, anti-dérapage, AC, EMG • Ligne de base automatique, optimisation de la position d'impression • Auto/manuel • Contrôle position électrodes • Format d'impression sélectionnable

Accessoires standards: *1 Câble patient ECG • 6 Electrodes précordiales de succion • 4 Pinces membres • 1 Batterie au lithium • 1 Rouleau de papier (80mm x 20mt)*

Accessoires sur demande: *Logiciel d'analyse automatique et de diagnostic • Electrodes jetables • Câble ECG • Câble de connexion sur défibrillateur pour cardioversion • Câble de connexion in/out*

SE3P ~ ECG CON INTERPRETACION

Completamente digital, con interpretacion • Display gráfico de cristales líquidos, con parámetros configurables • Adquisición simultánea de 12 derivaciones ECG, por medio de sendos electrodos • Impresora térmica de alta resolución • Batería de litio recargable • Pantalla Touch Screen. • Entrada/salida: puertos RS232, USB y Ethernet • Análisis automático del electrocardiograma, con el cálculo de los parámetros y mediciones • Filtros digitales, anti-deriva, AC, EMG • Línea básica automática, con optimización de la ubicación de la impresión • Funcionamiento Automático/Manual • Control de la ubicación de los electrodos • Selección del formato de la impresión.

Accesorios: *1 cable para el paciente (ECG) • 6 electrodos precordiales, con ventosas • 4 pinzas para las extremidades • 1 batería de litio 1 rollo de papel (80mm x 20 mt).*

Accesorios bajo demanda: *Software para efectuar el análisis automático y el diagnóstico • Electrodos desechables • Cable para electrocardiograma (ECG) • Cable para conectarlo con el desfibrilador, a fin de realizar la cardioversión • Cable de conexión entrada/salida*

EKG S VYHODNOCENÍM ~ SE3P

Plně digitální přístroj, Svyhodnocením • Grafický LCD displej, nastavitelné parametry • Současný záznam 12 svodů • Termotiskárna s vysokým rozlišením • Vestavěný lithiový akumulátor • Membránová klávesnice • Komunikace: vstup/výstup, RS232, USB, Ethernet • Automatické vyhodnocení EKG parametrů, výpočet naměřených parametrů • Digitální filtr, artefaktový filtr, AC, EMG • Automatické nastavení nulové linie na tiskárně • Automatický/manuální provoz • Nastavení elektrod • Nastavitelný formát tisku

Standardní příslušenství: *1 pacientský kabel EKG • 6 hrudních elektrod • 4 končetinové elektrody • 1 lithiový akumulátor • 1 ročička termopapíru(80mm x 20m)*

Příslušenství na požádání: *Software pro automatickou diagnostiku • Jednorázové elektrody • Pacientský kabel • Pacientský kabel s ochranou proti defibrilačnímu pulzu • Komunikační kabel vstup/výstup*

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medical devices

MBF 80

ECG PORTATILE A 3 CANALI

PORTABLE 3 CHANNEL ECG

ELECTROCARDIOGRAPHE PORTABLE A 3 TRACÉS

ELECTROCARDIÓGRAFO PORTÁTIL DE 3 CANALES

PŘENOSNÉ 3-KANÁLOVÉ EKG

CODICI · ORDER REFERENCE · REFERENCES DE COMMANDE · REFERENCIAS · OBJEDNÁVKOVÉ ODKAZY	
9840400010	**MBF80** Mod. Base • Basic • Basic • Basico • Base • Základní model
9840400020	**MBF80** Mod.Calcoli • Measure • Mesure • Medida • Rozšířený model
9840400040	**MBF80** con interpretazione **solo per Export fuori dall' Europa** **MBF80** with interpretation **only for export outside Europe** **MBF80** avec interprétation **disponible seulment pour l'exportation hors Europe** **MBF80** con interpretacion **disponible solamente para la exportacion fuera de Europa** S vyhodnocením, **pouze pro export mimo Evropu Vozík pro** MBF80
9100049000	Carrello per **MBF80** • Trolley for • Chariot pour • Carro para • Vozík pro
21773	Carta termica Z fold • Thermal paper Z fold • Papier thermoréactif plié en Z • Papel térmico, en cuadernillos en zig zag • Termopapír, skládací mm.**90**x**70**x**400**SH.

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FAZZINI

MBF 80 ~ ECG PORTATILE A 3 CANALI

MBF 80 é la giusta combinazione di una eccellente tecnologia e convenienza economica se paragonato con i tradizionali elettrocardiografi mono-canale. La carta termica Z-fold (o in rotoli) larga 90 mm permette una registrazione ad alta risoluzione su 3 canali senza sovrapposizione delle tracce. MBF 80 fornisce all'operatore chiare ed accurate informazioni garantendo la precisione diagnostica in qualsiasi condizione d'uso. La tastiera rialzata in gomma e gli accessori di alta qualità (pinze ed elettrodi a ventosa in Ag/Ag Cl) unitamente all'accurato disegno permettono al MBF 80 di soddisfare le necessità di qualsiasi cliente. Questo prodotto innovativo e reso possibile dai recenti progressi nella tecnologia ECG e dall'anticipazione di nuove e più severe norme europee. MBF 80 significa:
• portabile (293x 210 x 73 mm) e leggero (2,9 kg) • alimentato a rete e con batterie interne ricaricabili • durata doppia delle batterie se confrontato con i tradizionali ECG portatili
• filtro digitale per la soppressione degli artefatti, disturbi di rete e deriva della linea di base • 2 programmi definiti dall'utilizzatore per i formati di stampa • stampe automatiche o manuali
• segnalazione elettrodo staccato • diversi formati di stampa (10 memoria) • programmi e stampa in 8 lingue • Opzione: rilevazione dei parametri ECG per una diagnosi completa

ACCESSORI STANDARD **cavo paziente, 10 elettrodi AgCl, carta, gel, manuale operativo**

MBF 80 PORTABLE 3 CHANNEL ECG

MBF 80 even combines technical excellence with price competitiveness towards traditional single channel electrocardiograph. 90 mm large
z-folded (or rolls) thermal paper provides high resolution 3ch. print-outs eliminating traces overlapping.
MBF 80 provides the user with clear and detailed information ensuring high diagnostic accuracy in any operative conditions. The raised rubber keyboard and the high-quality accessories
(Ag/AgCl clamps and suction chest electrodes) along with the accurate design make it possible for the MBF 80 to meet the specific needs of any customer.
This innovative product is made possible by recent advances in ECG technology and anticipation of the new European severe standard requirements.
MBF 80 means:
• portable (293x210x 73 mm) and light (2,9 kg)
• mains supply and built-in rechargeable batteries
• double battery life in comparison with traditional portable ECG
• digital filter for suppression of myograph artifacts, AC disturbances and baseline wandering
• 2 user-definable programs to get different printing formats
• automatic and/or manual print-outs
• automatic detection
of disconnected electrode
• different format copies (10 s memory)
• program and print-outs in
8 different languages
• optional: ECG parameter detection for a complete diagnosis

STANDARD ACCESSOIRES
patient cable, 10 AgCl electrodes, chart paper, gel, user's manual

MBF 80 ELECTROCARDIOGRAPHE PORTABLE A 3 TRACÉS

MBF80 joint à des caractéristiques techniques d'une excellence absolue un prix compétitif, même par rapport aux appareils à un seul tracé. Le papier, en paquet
(ou en rouleau) de 90 mm de large permet d'imprimer simultanément 3 tracés
à très haute résolution sans risque de superposition. MBF80 fournit toutes les informations nécessaires à un diagnostic correct et précis et cela dans n'importe quelle condition grâce à ses multiples avantages.
Certains détails, tels que le clavier à touches de caoutchouc en relief, des accessoires de haute qualité (pinces et électrodes à succion en Ag/AgCl) font du MBF80 le cardiographe le plus apte à satisfaire le client.
FAZZINI a renouvelé le produit pour réaliser des appareils de très grande qualité, devançant ainsi les exigences des nouveaux standards européens.
MBF80 signifie:
• compacité (293 x 210 x 73 mm) et maniabilité kg 2,9
• alimentation (secteur et batterie d'accumulateurs rechargeable incorporée)
• autonomie de la batterie double de celle des cardiographes traditionnels
• filtres numériques pour la suppression des artefacts musculaires et des interférences du secteur et pour la stabilisation de la ligne de base
• 2 programmes au choix de l'utilisateur
• impression automatique ou manuel
• signal d'alarme sonore (défaut électrode)
• copies en plusieurs formats
d'impression (10s memory)
• programmation et impression en
8 langues différentes
• relevé des paramètres pour diagnostic ECG (en option)

ACCESSOIRES STANDARD
câble patient, 10 électrodes AgCl, papier d'enregistrement, gel manuel d'utilisation

MBF 80 ELECTROCARDIÓGRAFO PORTÁTIL DE 3 CANALES

El M BF80 c onjuga unas caracterìsticas técnicas excelentes con un precio competitivo, en comparación con los electrocardiógrafos tradicionales de un solo canal. El papel térmico, en cuadernillos en zig zag (o en rollos), de 90 mm de ancho, permite obtener una impresión de alta resolución, en 3 canales, eliminando la superposición de los trazados. EL MBF80 suministra al profesional una información clara y detallada, garantizando una precisión diagnóstica elevada, en cualesquiera condiciones de trabajo. El teclado de caucho en relieve y sus accesorios de primera calidad (bornes Ag/AgCl y electrodos torácicos en forma de ventosa), junto a un diseño cuidado, hacen que el MBF 80 satisfaga las exigencias específicas de cada cliente. El contenido innovador del producto se puso a punto, merced a los últimos progresos de la tecnología en el campo de los electrocardiógrafos y sus características se adelantan a los requisitos de las normas europeas más recientes y severas.
EL MBF80 es:
• portátil (293 x 210 x 73mm)
y ligero (2,9 Kg)
• alimentación de la red eléctrica y mediante baterías incorporadas recargables;
• duración de las baterías: el doble que en los electrocardiógrafos portátiles tradicionales;
• filtro digital, para anular las interferencias del miógrafo y de la corriente alterna y los ecos de las líneas de base;
• programas a definir por 2 operadores, para obtener formatos de impresión diferentes;
• impresión automática y/o manual;
• detección automática de electrodos desconectados;
• pares de formatos diferentes
(memoria de 10 segundos);
• programa e impresión en 8 idiomas;
• opción: detección de los parámetros ECG para efectuar un diagnóstico completo.

ACCESORIOS ESTÀNDAR
cable de alimentación y paciente; 10 electrodos AgCl; rollo de papel; gel; instrucciones de uso

MBF 80 PŘENOSNÉ 3 KANÁLOVÉ EKG

MBF 80 je přístroj s vyspělými technickými parametry za konkurenční cenu vůči tradičním 1-kanálovým elektrokardiografům. Dostatečně široký 90 mm skládaný termopapír (popřípadě role) umožňuje vysoké rozlišení pro tři současně zapisované kanály s eliminací jejich překrývání. MBF 80 poskytuje uživateli jasné a detailní informace zajišťující vysokou diagnostickou hodnotu v jakýchkoliv pracovních podmínkách. Membránová klávesnice a vysoce kvalitní příslušenství (Ag/AgCl končetinové klipsové elektrody a hrudní přísavné elektrody) spolu s precizním designem uspokojí požadavky náročného zákazníka.
Tento nově vyvinutý přístroj odpovídá novým trendům v EKG technologii a předjímá přísné evropské požadavky a normy.
MBF 80 má tyto vlastnosti:
• přenosný (293 x 210 x 73 mm) a lehký (2,9 kg)
• napájený ze sítě nebo z vestavěných akumulátorových baterií
• dvojnásobná životnost baterií v porovnání s klasickými přenosnými EKG
• digitální filtr pro potlačení svalových artefaktů, rušení ze sítě 50 Hz a kolísání nulové linie
• 2 uživatelem definované programy s různým formátem tisku
• automatický nebo ručně spustitelný tisk
• automatická detekce odpojených elektrod
• rozdílný formát tisku (10 s paměť)
• programy a tisk záznamu lze navolit v 8 jazycích
• příslušenství: výpočet EKG parametrů pro stanovení úplné diagnózy

STANDARDNÍ PŘÍSLUŠENSTVÍ
pacientský kabel, 10 x Ag/AgCl elektrody (končetinové + hrudní), EKG papír, EKG gel, uživatelský manuál

medical devices

SPECIFICHE TECNICHE • TECHNICAL SPECIFICATIONS • CARACTÉRISTIQUES TECHNIQUES • CARACTERÍSTICAS TÉCNICAS • TECHNICKÉ PARAMETRY	
• Stampante termica a 3 canali alta risoluzione • 3ch high resolution thermal print head, 8 dots per mm • Peigne thermique à haute résolution 8 points/mm, 3 pistes	
• Cabeza de impresión térmica de alta resolución, 3 canales, 8 puntos/mm • 3-kanálová tisková termohlava s vysokým rozlišením, 8 bodů / mm	
• Autoallineamento della linea di base • Automatic baseline adjustment • Correction automatique du dérapage de la ligne de base • Ajuste automático de las líneas de base • Automatické vystředění kanálů	
• Acquisizione simultanea delle 12 derivazioni • 12 simultaneously acquired standard leads • Acquisition simultanée de 12 dérivations	
• 12 derivaciones estandár de registro simultáneo • 12-ti svodový záznam	**(standard, cabrera, nebh)**
• Frequenza di campionamento • Sampling frequency • Fréquence d'échantillonnage • Frecuencia de muestreo • Vzorkovací frekvence	**1000 Hz**
• Risoluzione • Digital resolution • Résolution numérique • Resolución digital • Digitální rozlišení	**5 µV LSB**
• Range dinamico • Dinamic range • Gamme dynamique d'entrée • Rango dinámico • Dynamický rozsah	± **9** MV AC
• Velocità carta • Paper speed • Vitesse d'enrrgistrement • Velocidad del papel • Rychlost posuvu papíru	**5, 25, 50** mm/sec
• Frequenza di risposta • Frequency response • Bande passante en enregistrement sans filtre • Respuesta de frecuencia • Frekvenční rozsah	**0,05** ÷ **150** Hz (-**3**dB)
• Tastiera in gomma rialzata • Raised rubber keys • Clavier mécanique en caoutchouc • Teclas de caucho en relieve • Membránová klávesnice	
• Filtro • Myographic filter • Filtre musculaire • Filtro miográfico • Filtr	**25** o **35** Hz (-**3**dB)
• Alimentazione • Power • Alimentation • Potencia • Napájení	**220**V - **50**/**60** Hz
• Risponde alle norme • Compliance with • Splňuje	**CE 93/42 (IEC 601.1- IEC 601.2. 25 - IEC 601.1. 2)**

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CE
0123

New!

P8000 ~ 3/12 CHANNEL ELECTROCARDIOGRAPH

medical devices

Welcome to the P8000, your digital passport to the ECG world!
P8000 is the compact, ergonomic, advanced 3/12-channel electrocardiograph with graphic LCD and direct keys that can make your daily work easier Relax and make yourself comfortable.

Design: the P8000 is where good looks and ergonomics converge. Get ready to access all the unit functions in the easiest way thanks to the user-friendly interface based on direct soft keys and on-screen menu, easily configurable in 9 different languages by the user. Patient data entry is possible through the full alphanumeric keyboard so that all the relevant information is enclosed in the ECG file. The graphical LCD not only guides the user through the software menu but also offers a functional set of information including trace previewing.

Modularity: the P8000 has been conceived as a modular device in order to meet your exact requirements.The unit is available in two different configurations: Basic, which includes a skilful measurement program, and Interpretive, which supports you in diagnosis. Two more options can be enabled: the memory option, dedicated to portable applications and/or PC connections for data transfer in a Windows™ environment, and the Thrombolysis option, which requires an Interpretive configuration. The P8000 is equipped with an integrated high-resolution 3-ch thermal printer but can also be connected to an external inkjet or standard laser PC printer, expanding into a 12-ch on inexpensive A4/Letter-size, white paper. Any external printer is automatically detected when connected, and switched on with no need for extra settings.

Advanced Features: the P8000 offers a comprehensive set, in fact the highest in its range, of tools to perform a complete patient analysis in resting ECG.
The measurement program can detect and calculate the main curve onsets and offsets, the amplitude and duration of P, QRS and T-wave, while the interpretation module, with adult and pediatric option, adds relevant diagnostic statements.

Portability: all the features of the P8000 have been included in a small and compact case to increase portable applications.
The P8000 is the result of a perfect compromise between size and performance: a compact hard worker.

The internal memory and the high-capacity rechargeable battery offer the ideal support for hospital ward and emergency situations, while integration with the most advanced communication devices allows on the field applications.
Data acquired can later be transmitted in a Windows™ environment for advanced exam management, including archiving, reporting, printing and statistical calculation.

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FAZZINI

P8000
3/12-CHANNEL ELECTROCARDIOGRAPH

TECHNICAL SPECIFICATIONS

General	
• Dimensions and weight:	290x198x76 mm (LxWxH), 2.6 Kg
• Power Supply:	220-240 V (nominal), or 110-115 V (nominal), 50-60 Hz
• Power consumption:	Max. 28VA
• Built-in graphical LCD:	76x57 mm effective display area, 320x240 dots resolution (QVGA)
• 12 simultaneously acquired leads	
• Battery:	lead acid 12V, for 4h. of normal use (300 ECG printouts)
ECG amplifier	
• Sampling:	1000Hz
• Digital Resolution:	5µV/12 bit
• Sensitivity:	5/10/20 mm/mV, automatically or manually selectable
• CMRR:	>100dB
• Input Impedance:	>100MΩ
• Frequency Response:	0÷150Hz (IEC/AHA)
• Pacemaker detection:	≥ ±2 mV/ ≥ 0.1ms
• Measurement Range:	dynamic ±10mV, DC ±300mV
• Defibrillation protection:	5000VDC
Filters	
• Base Line:	0.05, 0.15, 0.30 Hz
• FIR:	25 or 35 Hz
• Algorithms for baseline stabilization and myogram noise reduction	
• AC noise filters:	50 or 60 Hz
Storage support	
• Internal memory (option):	about 40 rest ECG examinations
Connections	
• 1 RS232 serial port	
• 1 parallel connector	
Built-in thermal printer	
• 3ch high resolution, 8 dots/mm (amplitude axis), 40 dots/mm (time axis) @ 25 mm/s	
• Paper Speed:	5/10/25/50 mm/s
• Paper size:	80mm wide, Z-folded (72mm printable area)
External printer (*)	
• 12ch high resolution	
• Laser and inkjet technology	
• Standard parallel connecting cable	
Options:	
• Adult and pediatric Interpretive programs	
• Memory up to 40 records	
• Communication board (available shortly)	
• Thrombolysis (only with Interpretive option)	
• Data Management Software for PC connection	

(*) Valid only with Esaote-supplied printers

medical devices

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P8000 POWER ~ 12 CHANNEL ELECTROCARDIOGRAPH

P8000 Power is the 12ch electrocardiograph with LCD and direct keys able to faithfully assist you in your job, from the simplest to the hardest one. The five soft keys combined with the user-friendly interface allow quick navigation through the P8000 Power functions and settings.

It can print out the examination results on either the traditional thermal paper through the internal high-resolution printer, or on inexpensive (A4/letter) white paper using an external laser or inkjet standard computer printer.
The P8000 Power offers a comprehensive set of applications in order to perform a complete patient screening and analysis.
The resting ECG is completed with the measurement program for all 12 leads and offers a wide range of print-outs, moreover it and can be combined with the optional adult and paediatric interpretive program.

The stress program allows the system to perform stress ECG, with external peripheral control, with either bike or treadmill. Through the optional pneumotacho sensors, SP-250 or SP-260, P8000 Power can perform a complete Spirometry exam, in three different testing modes including Pre and Post medications. P8000 Power offers advanced features being able to transfer the acquired ECG exams to ArchiMed SW Data Management (in a Windows® environment) for advanced archiving and reporting. Moreover, the internal memory allows paper-less exam acquisition, avoiding paper wastage.

medical devices

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FAZZINI

P8000 POWER
12 CHANNEL ELECTROCARDIOGRAPH

TECHNICAL SPECIFICATIONS

Dimensions (l/w/h):	380 x 340 x 102 mm
Weight:	ca. 5.0 kg with full paper tray
Mains Supply:	100 to 115 / 220 to 240 VAC, 50/60 Hz
Battery:	Built-in 12 V lead-acid battery (rechargeable)
Power Consumption:	Internal Printing: 28 VA max
Leads:	Standard / Cabrera
Paper Speed:	5 / 10/ 25 / 50 mm/s (direct)
Sensitivity:	5 /10 / 20 mm/mV, either automatically adjusted or manually selected
Chart Paper:	Thermoreactive - Z-folded, 210 mm wide, perforation 280 mm
Printing Process:	High-resolution thermal print head, 8 dots per mm / 200 dots per inch amplitude axis)
	40 dots per mm / 1000 dots per inch (time axis 25mm/s)
External Printer:	Interface for optional desktop or laser printer according to manufacturers recommendation
Recording Tracks:	6 channels, positioned at optimal width on 200 mm, automatic baseline adjustment
Automatic Lead Programs:	Printout of all 12 leads
Exercise ECG:	RS-232 Interface for control of an ergometer for exercise testing
ECG Storage:	Circular input memory for 10s, 12-lead ECG.
Record Storage:	Memory for approximately 45 ECG recordings/Spirometry exams
Transmission:	Transmission facilities over built-in RS-232 interface.
Frequency Range:	0 to 150 Hz (IEC), 0 to 150 Hz (AHA)
ECG Amplifier:	Simultaneous, synchronous registration of all 9 active electrode signals (= 12 standard leads)
Sampling frequency:	1000 Hz
Digital resolution:	5 μV
Dynamic range:	±10 mV
Max. electrode potential:	±300 mVDC
Time constant:	3.2 s
Frequency response:	0.05 to 150 Hz (-3 dB)
Input impedance:	>100MOhms
Myogram Filter:	25 Hz or 35 Hz, programmable (not active on averaged waveform)
	(Muscle tremor filter)
	The stored ECGs can be printed with or without filter
Line Frequency Filter:	Distortion-free suppression of superimposed 50 or 60 Hz sinusoidal interferences by means of an
	adaptive digital filter
Patient Input:	Fully floating and isolated, defibrillation protected
Safety Standard:	CF according to IEC and complying with the following
	RL 93/42/EEC
	EN 60601-1:1990
	IEC 601-2-25:1993
EMC:	EN60601-1-2
Safety Class:	I according to IEC 601-1 (with internal power supply)
	IIa according to RL 93/42/EEC, CE-0123
	This device is not designed for outdoor use (IP 20)
Environmental Conditions:	Temperature, Operating: 10° to 40° C
	Temperature, Storage: -10 O to 50 O C
	Relative humidity: 25 to 95% (non condensing)
Atmospheric pressure:	700 to 1060 hPa
Control Panel:	Rubber keys, LCD

medical devices

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CARDIOLINE AR600

ar600 a new concept in portable ECG: innovative, dynamic, universal

- *Recording of an ECG in either automatic or manual mode*
- *Thermal printing on 60 mm paper, single channel*
- *Paper in rolls and packs*
- *Dual power supply: mains and rechargeable internal batteries*
- *Last ECG recording memorized and additional copies available*

medical devices

***ar600** embodies the features of reliability, modularity, versatility and upgradeability that characterize the latest generation of CARDIOLINE® electrocardiographs.*

Safe and easy wireless connection
thanks to the IR (Infrared) digital interface.

Anytime, Anyplace
thanks to its reduce weight, only 1 Kg, minimum size, 250x60x185 mm (LxAxP); autonomy of more than 3 hours and 300 recordings.

Easy to use
thanks to the "Online" user guide.

Easily adapted to suit your individual requirements
thanks to the flexibility of the software used and to the infrared interface.

The range of "options" offered is particularly generous
there are no restrictions or constraints, as the selection can be made either at the moment of purchase or later ensuring an optimum price-to-performance–ratio and without having to interrupt day-to-day activity.

Options available

- Multi-channel option: multiple printout formats: one, two and three channels.
- ECG measurements option: automatic calculation of main ECG parameters.
- PC ECG option: real time display of the 12 ECG leads on a personal computer screen endowed with CARDIOLINE® software for the ECG computerised management.
  The software can offer an optional module for automatic interpretation of the ECG signal.

***ar600** combines affordable price and performance, providing an ideal and versatile solution in response to the increasing demands placed on ECG diagnostic systems.*

WE RESERVE THE RIGHT TO CHANGE TECHNICAL SPECIFICATIONS WITHOUT PRIOR NOTICE.

CARDIOLINE AR600

TECHNICAL SPECIFICATIONS AR600	
Power supply	AC mains with external power supply 230V±10% 50/60 Hz.;
	available also: 115V±10% 50/60 Hz; rechargeable NiMH batteries, 8x1,2 Volt, 1500 mAh
Battery Capacity	3 hours, 300 recordings
Writing system	Thermal printer, 8 dot/mm Usable print height 50 mm
Thermal Sensitive paper	Rolls: length 15 m, page 60x75 mm gridded
	Z-Fold: length 18 m, page 70x60 mm, gridded
Keyboard	Membrane, with functional keyboard
Leads	12 standard/cabrera leads
Signal memory	10 seconds for each lead in automatic mode
Print channels	1 (3 optional)
Operating modes	Manual: acquisition and printing in real time
	Automatic: simultaneous acquisition
	PC ECG: transmission of signal in real time to Personal Computer (optional)
Recording sensitivity	Manual:5 – 10 – 20 mm/mV ± 5%
	Automatic: according to number of channels printed
Paper transport speed	25 – 50 mm/s
Defibrillation protection	Internal
Input dynamics	± 300 mV @ 0 Hz.± 5 mV in pass band
Input impedance	> 100 MW on each electrode
Common mode rejection	> 100 dB
Frequency response	0,05 ∏ 150 Hz (-3dB)
Time constant	3,3 s
Acquisition	11 bit
	1000 samples/s/channel printing and filters
	500 samples/s/channel in calculation and filters
	Resolution 5 mV/bit
Pacemaker recognition	Recognizes pulse in accordance with current IEC standards
Filters	Mains and muscle interference: modified digital notch 50 – 60 Hz switch on/switch off filter
	Anti-drift: digital high-pass 0.5 Hz, linear phase, always enabled and without morphological distortion
Serial interface	Infrared
Diagnostics programs	Parameter calculation: (optional)
Options	- Multi-channel option
	- ECG measurements option
	- PC ECG option
Dimensions	250 x 60 x 185 mm (length x height x depth)
Weight	1000 grams with batteries, without paper
Safety and Conformity to standards	Class II, type CF, Ref: EN 60601-1, EN 60601-2-25, EN 60601-2-51
	According to: 93/42 CEE: class IIa, CE0470

medical devices

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CARDIOLINE AR600ADV

ar600 adv a portable electrocardiograph and much more
- *Automatic, manual and pre-programmed recording mode*
- *Multi-channel print format on 60 mm paper: 1, 2, 2+R, 3 channels*
- *LCD Display*
- *Alphanumeric keyboard*
- *Paper in rolls and packs*
- *Dual power supply: mains and rechargeable internal batteries*
- *Memory of the last ECG recording and printing of additional copies*
- *Time and date indication*

Safe and easy wireless connection
thanks to the IR (Infrared) digital interface.

Anytime, Anyplace
thanks to its low weight, only 1 Kg; minimum size, 250x60x185 mm (LxAxP); battery autonomy of more than 3 hours and 200 recordings.

User friendly interface
the liquid crystal display and a simplified set of alphanumeric keys ensure quick and troublefree use under any conditions, and dependable ECG examination and patient management.

Easily adapted to suit your individual requirements
affording an advanced diagnostics support and facilitating the communication and transfer of information. The selection of the "options" offered has no restrictions or constraints, it has no effect on day-to-day use of the instrument and upgrades can be made directly at your clinic or surgery.

Options available
- Memory option: storage of up to 20 full ECG exams, with no need to print out the ECG.
- ECG measurements option: automatic calculation of the main ECG parameters.
- ECG analysis program: a useful and dependable diagnostics support. The analysis results obtained by analysing the 12 lead simultaneously, can be printed out in a "physician tailored layout" following the methodology with which a Physician would read an ECG.
- Arrhythmia monitoring program: detection of arrhythmia events during continuous recording.
- HRV" analysis option: measurement of the heart rate variability in a predicted interval (from 1 to 5 minutes) and printout of the relevant results.
- PC archive option: Archival storage of the ECG in a personal computer running the CARDIOLINE® software for the ECG computerised management .The data upload to the PC is made by use of the wireless "IR" interface; no direct connection to the PC is required.
- PC ECG option: Real time display of the 12 ECG leads on a PC endowed with CARDIOLINE® software for the ECG computerised management. The software can offer an optional module for automatic interpretation of the ECG signal.

ar600adv *represents the evolution of a portable instrument able to meet the growing demands placed on ECG diagnostic systems.*

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CARDIOLINE AR600ADV

TECHNICAL SPECIFICATIONS AR600ADV

Power supply	A.C. mains with external power supply 230V±10% 50/60 Hz.;
	available also: 115V±10% 50/60 Hz; rechargeable NiMH batteries, 8x1,2 Volt, 1500 mAh
Battery power capacity	3 hours, 200 recordings
Writing system	Thermal printer, 8 dot/mm. Usable print height 50 mm
Thermosensitive paper	Rolls: length 15 m, page 60x75 mm gridded
	Z-Fold: length 18 m, page 60x75 mm, gridded
Monitor	Backlit graphic display 32x120 pixels (61x16mm), 2,5 inches
Keyboard	Membrane, with functional and alphanumeric keyboard semplified
Leads	12 standard leads
Signal memory	10 seconds each lead in automatic mode
Print channels	3
Print format	1, 2, 2+R and 3
Operating modes	Manual: acquisition and printing in real time
	Automatic: simultaneous acquisition
	Pre-programmed: simultaneous acquisition at programmable intervals
	Arrhythmia: detection of arrhythmia events (optional)
	HRV: acquisition and processing of heart rate variation (optional)
	PC ECG: transmission of signal in real time to Personal Computer (optional)
	Paper Saving: acquisition without print (optional)
Recording sensitivity	Manual: 5 – 10 – 20 mm/mV
	Automatic: according to number of channels printed
Paper transport speed	25 - 50 mm/s
Defibrillation protection	Internal
Input dynamics	± 300 mV @ 0 Hz.± 5 mV in pass band
Input impedance	> 100 MW on each electrode
Common mode rejection	> 100 dB
Frequency response	0,05 ∏ 150 Hz (-3dB)
Time constant	3.3 s
Acquisition	11 bit
	1000 samples/s/channel printing and filters
	500 samples/s/channel in calculation and filters
	Resolution 5 MicroV/bit
Pacemaker recognition	Recognizes pulse in accordance with current IEC standards
Filters	Mains and muscle interference: modified digital notch 50 – 60 Hz, switch on/switch off filter
	Anti-drift: digital high-pass 0.5 Hz, linear phase, always enabled and without morphological distortion
Serial interface	Infrared
Diagnostics programs	Parameter calculation: (optional)
	Electrocardiogram interpretation: (optional)
	Arrhythmia monitoring (optional)
	HRV: heart rate variation (optional)
Options	- memory option
	- ECG measurements option
	- ECG analysis option
	- arrhythmia option
	- HRV analysis option
	- PC archive option
	- PC ECG option
Dimensions	250 x 60 x 185 mm (length x height x depth)
Weight	1000 grams with batteries, without paper
Safety and Conformity to standards	Class II, type CF
	Ref: EN 60601-1, EN 60601-2-25, IEC 60601-2-51
	According to: 93/42 CEE: class IIa, CE0470

medical devices

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CARDIOLINE AR1200VIEW

ar1200 view – Easy view … clear recordings

- *LCD Display type for ECG real time 3, 6 channels*
- *Multi-channel print format on 120 mm paper: 3, 3+R, 6 channels*
- *Automatic, manual and pre-programmed recording mode*
- *Alphanumeric keyboard*
- *Paper in rolls and packs*
- *Dual power supply: mains and rechargeable internal batteries*
- *Memory of the last ECG recording and printing of additional copies*
- *Time and date indication*

medical devices

Efficient and fast control of the recording quality
thanks to the multichannel graphic display able to visualize the ECG signal before and during a recording with no need to print out immediately on paper.

Safe and easy wireless connection
thanks to the IR (Infrared) digital interface.

User friendly interface
the liquid crystal display and a simplified set of alphanumeric keys ensure quick and troublefree use under any conditions, and dependable ECG examination and patient management.

Easily adapted to suit your individual requirements
the selection of the "options" offered has no restrictions or constraints, it has no effect on day-to-day use of the instrument and upgrades can be made directly at your clinic or surgery.

Options available

- Memory option: storage of up to 40 full ECG exams, with no need to print out the ECG.
- ECG measurements option: automatic calculation of the main ECG parameters.
- ECG analysis program: a useful and dependable diagnostics support.The analysis results obtained by analysing the 12 lead simultaneously, can be printed out in a "physician tailored layout" following the methodology with which a Physician would read an ECG.
- Arrhythmia monitoring program: detection of arrhythmia events during continuous recording.
- HRV analysis option: measurement of the heart rate variability in a predicted interval (from 1 to 5 minutes) and printout of the relevant results.
- PC archive option: Archival storage of the ECG in a personal computer running the CARDIOLINE® software for the ECG computerised management The data upload to the PC is made by use of the wireless "IR" interface; no direct connection to the PC is required.
- PC ECG option: Real time display of the 12 ECG leads on a PC endowed with CARDIOLINE® software for the ECG computerised management. The software can offer an optional module for automatic interpretation of the ECG signal.

In short a multi-channel electrocardiograph providing solutions that simplify the activity performed by specialists and hospital staff alike

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CARDIOLINE AR1200VIEW

TECHNICAL SPECIFICATIONS AR1200VIEW

Power supply	A.C. mains with external power supply 230V±10% 50/60 Hz.;
	available also: 115V±10% 50/60 Hz; rechargeable NiMH batteries, 10x1,2 Volt, 1800 mAh
Battery power capacity	100 min in 3 channel print format, 200 recordings
Writing system	Thermal printer, 8 dot/mm. Usable print height 110 mm
Thermosensitive paper	Z-Fold: length 20 m, page 120x100 mm, gridded
	Rolls: length 30 m, page 120x100 mm, gridded
Monitor	Backlit graphic display 320x240 pixels, 320x240 mm (4,7 inches)
Keyboard	Membrane, with functional and alphanumeric extended keyboard
Leads	12 standard/cabrera leads
Signal memory	10 seconds each lead in automatic mode
Print channels	6
Print format	3, 3+R and 6
Operating modes	Manual: acquisition and printing in real time
	Automatic: simultaneous acquisition
	Pre-programmed: simultaneous acquisition at programmable intervals
	Arrhythmia: detection of arrhythmia events (optional)
	HRV: acquisition and processing of heart rate variation (optional)
	PC ECG : transmission of signal in real time to Personal Computer (optional)
	Paper Saving: acquisition without print (optional)
Recording sensitivity	Manual: 5 – 10 – 20 mm/mV
	Automatic: according to number of channels printed
Paper transport speed	5 mm/s ± 10%
	25 - 50 mm/s ± 5%
Defibrillation protection	Internal
Input dynamics	± 300 mV @ 0 Hz.± 5 mV in pass band
Input impedance	> 100 MW on each electrode
Common mode rejection	> 100 dB
Frequency response	0,05 ∏ 150 Hz
Time constant	3.3 s
Acquisition	11 bit
	1000 samples/s/channel printing and filters
	500 samples/s/channel in calculation and filters
	Resolution 5 MicroV/bit
Pacemaker recognition	Recognizes pulse in accordance with current IEC standards
Filters	Mains and muscle interference: modified digital notch 50 – 60 Hz, switch on/switch off filter
	Anti-drift: digital high-pass 0.5 Hz, linear phase, always enabled and without morphological distortion
Serial interface	Infrared
Diagnostics programs	Parameter calculation (optional)
	Electrocardiogram interpreter (optional)
	Arrhythmia monitoring (optional)
	HRV: heart rate variation (optional)
Options	- memory option
	- ECG measurements option
	- ECG analysis option
	- arrhythmia option
	- HRV analysis option
	- PC archive option
	- PC ECG option
Dimensions	320 x 72 x 240 mm (length x height x depth)
Weight	2150 grams without paper
Safety and Conformity to standards	Class I, type CFRef: EN 60601-1, EN 60601-2-25, IEC 60601-2-51
	According to: 93/42 CEE: class IIa CE0470.

medical devices

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CARDIOLINE AR2100VIEW

ar2100view – Easy view … clear recordings
- *Automatic, manual and pre-programmed recording mode*
- *Multi-channel print format on A4 paper: 3, 6_1, 6_2, "Full Page" (3_4+R) and (3_4+3R), 12 channel*
- *LCD Display type for ECG real time 3, 6, 6+6 channels*
- *Extended alphanumeric keyboard*
- *Paper in rolls and packs*
- *Dual power supply: mains and rechargeable internal battery*
- *Memory of the last ECG recording and printing of additional copies*
- *Time and date indication*

medical devices

Safe and easy wireless connection
thanks to the IR (Infrared) digital interface.

Efficient and fast control of the recording quality
thanks to the multichannel graphic display able to visualize the ECG signal before and during a recording with no need to print out immediately on paper.

User friendly interface
the liquid crystal display, a complete alphanumeric keyboard and dedicated keys for a quick access to the main operating function, ensure quick and trouble free operation of the ECG examination and patient management.

Easily adapted to suit your individual requirements
the selection of the "options" offered has no restrictions or constraints, it has no effect on day-to-day use of the instrument and upgrades can be made directly at your clinic or ward.

Options available
- Memory option: storage of more than 40 full ECG exams, with no need to print out the ECG.
- ECG measurements option: automatic calculation of the main ECG parameters.
- ECG analysis program: a useful and dependable diagnostics support. The results obtained by analysing the 12 lead simultaneously, can be printed out in a "physician tailored layout" following the methodology with which a Physician would read an ECG.
- Arrhythmia program: detection of arrhythmia events during continuous recording.
- HRV analysis option: measurement of the heart rate variability in a predicted interval (from 1 to 5 minutes) and printout of the relevant results.
- PC archive option: Archival storage of the ECG in a personal computer running the CARDIOLINE® software for the ECG computerised management The data upload to the PC is made by use of the wireless "IR" interface; no direct connection to the PC is required.
- PC ECG option: Real time display of the 12 ECG leads on a PC endowed with CARDIOLINE® software for the ECG computerised management. The software can offer an optional module for automatic interpretation of the ECG signal.

In short, an A4 format electrocardiograph providing solutions that will help improve the quality of diagnosis performed by specialists and hospital staff alike

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CARDIOLINE AR2100VIEW

TECHNICAL SPECIFICATIONS	
Power supply	Internal AC power; 115-230 V ± 10% 50/60Hz
	Rechargeable lead battery 12 Volt, 2000 mAh
Battery power capacity	1 hour in continue recording, 180 recordings
Writing system	Thermal printer, 8 dot/mm. Usable print height 210 mm
Thermosensitive paper	Format 210 mm in gridded Z-fold packets: length 30 m., page 210x150 mm
	Rolls: length 17 m., page 210x280 mm
Display	Backlit graphic display 320x240 pixels (115x86 mm) 5,7 inches
Keyboard	Membrane, with functional and alphanumeric extended keyboard
Leads	12 standard leads
Signal memory	10 seconds each lead in automatic mode
Print channels	12
Print format	Automatic mode: 3, 6_1, 6_2, “Full Page”(3_4+R)_1 and (3_4+3R)_1, 12_1
	Manual mode: 3, 6, 12
Display channels	3, 6, 6+6
Operating modes	Manual: acquisition and printing in real time
	Automatic: simultaneous acquisition
	Pre-programmed: in real time acquisition at programmable intervals
	Arrhythmia: detection of arrhythmia events (optional)
	HRV: acquisition and processing of heart rate variation (optional)
	PC ECG: transmission of signal in real time to Personal Computer (optional)
	Paper Saving: acquisition without print (optional
Recording/display sensitivity	Manual: 5 – 10 – 20 mm/mV ± 5%
	Automatic: according to number of channels printed
Paper transport speed	5 - 25 – 50 mm/s
Defibrillation protection	Internal
Input dynamics	± 300 mV @ 0 Hz.± 10 mV band width
Input impedance	> 100 MW on each electrode
Common mode rejection	> 100 dB
Frequency response	0,05 ∏ 150 Hz (–3db)
Time constant	3.3 s
Acquisition	12 bit
	1000 samples/s/channel printing and filters
	500 samples/s/channel in calculation and filters
	Resolution 5 MicroV/bit
Pacemaker recognition	Recognizes pulse in accordance with current IEC standards
Filters	Mains and muscle interference: modified digital notch 50 – 60 Hz
	Anti-drift: digital high-pass 0.5 Hz, linear phase, without morphological distortion
Communication interface	Infrared
Diagnostics programs	Parameter calculation (optional)
	Electrocardiogram interpretation
	Arrhythmia program (optional)
	HRV: heart rate variation (optional)
Options	- memory option
	- ECG measurements option
	- ECG analysis option
	- arrhythmia option
	- HRV analysis option
	- PC archive option
	- PC ECG option
Dimensions	325 x 80 x 345 mm (length x height x depth)
Weight	5000 grams without paper
Safety and Conformity to standards	Class I, type CFRef: EN 60601-1, EN 60601-2-25, IEC 60601-2-51
	According to: 93/42 CEE: class IIa CE0470.

medical devices

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AQUILA ~ ULTRASOUND SCANNER

Product Overview

The Aquila offers healthcare professionals worldwide a high quality, practical black & white ultrasound scanner. The Aquila provides the image quality needed to make reliable diagnoses, while remaining easy to operate and transport, features necessary in the busy environment of the modern General/Family Medicine or OB/GYN practice.

The Aquila system is equipped with a full alphanumeric, backlit keyboard and can be configured either with or without trolley. Standard features such as the removable 32 Mb memory card, which can be used to store up to 160 images, as well as to facilitate software upgrades, two probe connectors and cine memory are unique in a system in this price class. **CRII Technology** (second generation contrast resolution), **Total Image Focus** (dynamic receive focusing) and **Fine Line Processing** in addition to the extensive user and application settings capabilities and calculation packages make the Aquila an asset to today's demanding ultrasound user.

The wide range of available double frequency **transducers** make it possible to tailor the system to each practice's individual needs. The Aquila supports both linear and curved array probes, making it an ideal system for first-line OB/GYN screening (abdominal and vaginal), as well as abdominal, urology, small parts and basic radiology applications.

The practical **carrying case** is perfect for transporting the Aquila between offices and remote locations, as well as for storage purposes. Made from heavy duty foam material, it has both a shoulder strap and handles for your convenience.

medical devices

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FAZZINI

AQUILA
ULTRASOUND SYSTEM

TECHNICAL SPECIFICATIONS

Design Portable with 9 inch B/W monitor (trolley optional)	
Scanning methods	Curved and linear array
Probe ports	2 probe ports
	Probes - Linear L 40mm 8.0 MHz and L60mm 6.0/8.0 MHz
	Probes - Curved R 40mm 3.5/5.0 MHz and R 17mm 5.0/7.5 MHz
	Probe - Endocavity R 10mm 5.0/7.5 MHz
Modes	B-Mode, B/B, M-Mode, B/M-Mode, zoomed B-Mode
Image display	methods Full screen, dual screen
Image position Reverse	(left-right) and upside down
Focal points Transmit:	4 focal points simultaneously
Receive:	Total Image Focusing
Dynamic range	40-65 dB
TGC Controls Gain control knobs for far field and near field	
Cine memory	32 MB
Image archiving	32 MB removable compact flash card (approx. 160 images).
Compatible cards:	Kodak, Sandisk (32MB)
Biopsy guides For all probes	
B-Mode	
Frequencies	3.5 - 8 MHz
Image angle	30 -150° (probe dependent)
Display depth	0 - 20 cm (probe dependent)
Pre settings Dynamic Range, Acoustic Output Power	
Post settings Gray Map	
M-Mode	
Display depth	3 - 20 cm (probe dependent)
Sweep time	1 - 10 sec.
	Pre settings Dynamic Range, Acoustic Output Power
	Post settings Gray Map
Scan converter	Type Full digital, 512 x 512 x 8
Gray levels	256 levels
	Esaote, PM, 58A15SR01, 6-2-03
Applications	
	Reports Obstetrics, Gynecology, Urology, Cardiology
	Bodymarks Obstetrics, Gynecology, Urology, Radiology, Vascular (22 in total)
Measurements Obstetrics	Distance, length, area/circumference, ellipse, angle, BPD, FL, CRL, AD, AC, HC, OFD, GSD, AFI,
	MAD and 2 user measurements. Builtin fetal age tables, LMP, EDD, Ratio's, Biophysical profile.
	Twins measurements - including report pages
Measurements Gynecology	Measurements for uterus (length, AP diameter and coronal width), ovaries (length, AP diameter and coronal
width)	and endometrial thickness - including report pages
Measurements urology Bladder (transversal, sagittal, oblique), kidneys, prostate (transversal, sagittal, oblique) - including report pages	
Measurements cardiology	Left Ventricle (B-Mode / M-Mode), left atrium/aorta, mitral valve, pulmonary valve (Measurement package includes
normal values with Left Ventricle M-mode measurements) - including report pages	
Measurements Specials Graf hip-joint, thyroid, volume	
Application settings 5 users (max. 100 settings)	
General	
Monitor size B/W monitor 9 inches	
Video Standard CCIR or EIA video	
Keyboard Built-in QWERTY	
Peripheral support Video in (1), video out (2) , footswitch, video printer remote	
Dimensions W x D x H Desktop:	W x D x H = 31x54x33 cm / 12x21x13 inches
Trolley:	27x37x85cm / 11x15x33 inches
Weight Desktop:	11 kg / 24 lbs
Trolley:	10 kg / 22 lbs
Power Mains	110 / 240 Volts, (optional) battery 12 Volts (operating time approx. 40 minutes)
Enclosure leakage and earth leakage current	
Within specification for class 1 type BF according to IEC 601-1	
Environmental operating conditions	
Temperature	0-34 °C Humidity up to 90% (20 °C)
General storage conditions	
Storage temperature	-20 / +60 °C
RH (Humidity):	up to 95%
Pressure:	700-1060 hPA

medical devices

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SONOTRAX BASIC

DOPPLER FETALE
FETAL DOPPLER
DOPPLER FOETAL
ECO-DOPPLER FETAL
FETÁLNÍ DIAGNOSTICKÝ DOPPLER

Il Doppler Fetale SonoTrax risponde alle esigenze di esami di routine di ostetrici, levatrici e delle stesse donne gravide.

SonoTrax Basic è un modello ad alte prestazioni con display LCD digitale della frequenza cardiaca fetale (FHR). Il Doppler Vascolare SonoTrax può essere utilizzato con una sonda da 2MHz, 4MHz o 8MHz per la diagnosi vascolare. Tutti questi modelli sono dotati di output audio, e possono essere collegati ad auricolari o ad un registratore con input audio.

Caratteristiche:

- *Design ergonomico, compatto e leggero*
- *Di facile utilizzo*
- *Accurata misurazione dell'FHR, grande display LCD e suono pulito*
- *Sonda intercambiabile ad elevata sensibilità*
- *Conteggio FHR manuale e automatico*
- *Funzionamento continuo prolungato (4 ore)*
- *Spegnimento automatico*
- *Batteria ricaricabile e carica-batterie opzionali*

Configurazione:

Modello	Sonde intercambiabili	Display FHR	Retro-illuminazione	Sonda impermeabile	Display di individuazione automatica della sonda	Display del livello di carica della batteria	Indicazione di batterie scariche
SonoTrax Basic	●	●	●	●	●	●	●
Optional	Batteria Ni-H ricaricabile, Carica-batterie, Auricolari, Borsa di tela, Batterie alcalina 9V						

SONO 2 *2MHz Sonda • Probe • Sonde • Sonda • Soudy*
SONO 4 *4MHz Sonda • Probe • Sonde • Sonda • Soudy*
SONO 8 *8MHz Sonda • Probe • Sonde • Sonda • Soudy*

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SONOTRAX BASIC

SonoTrax Fetal Doppler can meet the routine examination requirements of obstetricians, midwives and pregnant woman themselves.
SonoTrax Basic is a high performance model with FHR digital LCD display. SonoTrax Vascular Doppler can use 2MHz, 4MHz or 8MHz probe for vascular diagnose. All these models have audio output, and can connect with earphone or recorder with audio input.
Features:
Ergonomic design, compact and light
Easy-to-use
Accurate FHR detection, large LCD display and clean sound
High sensitivity interchangeable probe
Automatic and manual FHR Counting
Long time continuous use (4 hours)
Automatic power-off
Optional rechargeable battery and charger

SONOTRAX BASIC

Le Doppler Foetal SonoTrax répond aux exigences qui se manifestent lors d'investigations de routine en obstétrique, entreprises par les obstétriciennes ou les femmes enceintes.
SonoTrax Basic est un modèle hautes performances avec écran LCD numérique des fréquences cardiaques foetales (FHR). Le Doppler Vasculaire SonoTrax peut être utilisé avec une sonde de 2 MHz, 4MHz ou de 8MHz pour poser des diagnostics vasculaires. Ces modèles disposent tous d'une sortie audio et peuvent être reliés à des écouteurs ou à un enregistreur avec entrée audio.
Caractéristiques :
Design ergonomique, compact et léger
Facile à utiliser
Mesure précise des FHR, grand écran LCD et son net
Sonde interchangeable extrêmement sensible
Calcul FHR manuel et automatique
Fonctionnement continu prolongé (4 heures)
Extinction automatique
Batterie rechargeable et chargeur en option

medical devices

SONOTRAX BASIC

El Eco-doppler Fetal SonoTrax responde a todas las necesidades que plantean los estudios de rutina en Obstetricia, ya sea cuando los solicita el médico, la matrona o la propia mujer embarazada.
SonoTrax Basic es un modelo de elevadas prestaciones, con display de cristales líquidos digital, para visualizar la frecuencia cardíaca fetal (FHR). El Eco-doppler vascular SonoTrax se puede utilizar con una sonda de 2 MHz, 4 MHz o de 8 MHz, para llevar a cabo el diagnóstico vascular. Todos estos modelos poseen salida en audio, y se pueden conectar tanto con auriculares como con un grabador, con entrada para audio.
Características:
Diseño ergonómico, compacto y ligero
Fácil de usar
Medición esmerada del FHR, display de cristales líquidos de grandes dimensiones y sonido nítido
Sonda intercambiable, de sensibilidad elevada
Cómputo FHR: manual y automático
Funcionamiento, continuo prolongado (4 horas)
Apagado automático
Batería recargable y cargador de baterías (opciones)

SONOTRAX BASIC

Fetální diagnostický Doppler slouží pro rutinní diagnostiku v nemocniční gynekologii.
SonoTrax je přístroj s vysokou výkonností s LCD displejem se zobrazením srdeční frekvence plodu (FHR). Tento přístroj může být používán se sondou 2MHz, 4MHz a 8 MHz pro cévní diagnostiku. Všechny modely mají audio výstup na sluchátka, a další audio zařízení.
Charakteristika:
Ergonomický design, lehký, kompaktní
Snadné ovládání
Přesné měření frekvence FHR, velký LCD displej, čistý zvuk
Citlivé sondy
Manuální a automatický výpočet FHR
Nepřetržitý provoz 4 hodiny
Automatické vypínání
Vestavěný akumulátor, nabíječka

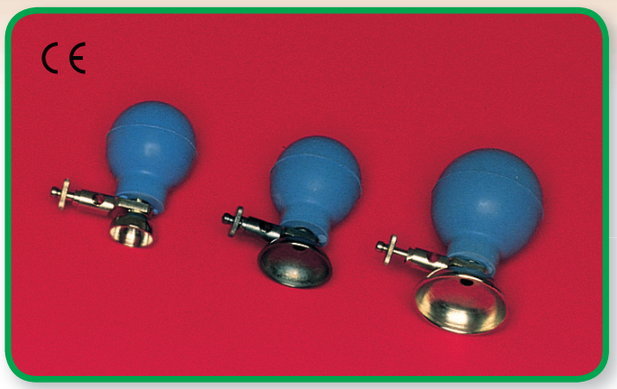
Model *Modèle Modelo Model*	**Inter-changeable probes.** *Sondes interchan-geables. Sondas intercam-biables. Vyměnitelné sondy.*	**Display** *Ecran Display Display* **FHR**	**Backlight** *Rétroéclai-rage. Retro-ilumina-ción. Podsvětlení displeje.*	**Water proof probe** *Sonde imper-méable. Sonda imper-meable. Vyměnitelná sonda.*	**Auto probe detection dis-play** *Ecran de repérage auto-matique de la sonde. Display de detección au-tomática de la sonda. Indikace Připojené sondy*	**Battery status display** *Ecran du ni-veau de char-gement de la batterie. Display del nivel de carga de la batería. Indikace stavu baterie.*	**Low battery indication** *Témoin batteries déchargées. Indicación de baterías agotadas. Indikace vybité baterie.*
SonoTrax Basic	●	●	●	●	●	●	●

Option	Rechargeable, Ni-H battery, Re-charger, Earphone, Canvas Bag, 9V Alkaline Battery
Option	Batteries Ni-H rechargeables, Chargeur, Ecouteurs, Sac en toile, Batteries alcalines 9V
Opción	Batería Ni-H recargable, Cargador de baterías, Auriculares, Estuche de tela, Baterías alcalinas 9V
Příslušenství	Akumulátor Ni-MH, nabíječka baterie, sluchátka, kožený obal, alkalická baterie 9V

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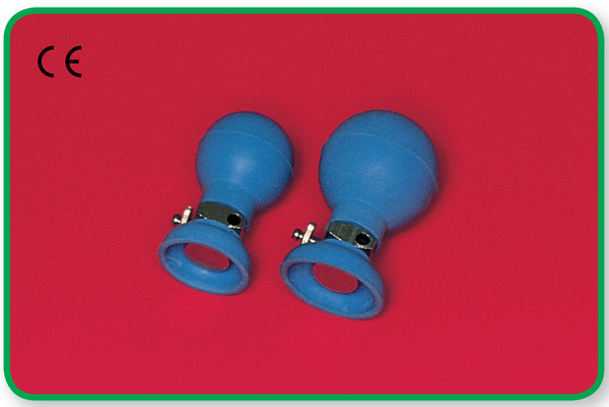
FAZZINI

ELETTRODI A VENTOSA
SUCTION CHEST ELECTRODE
ELECTRODES PRECORDIALES A VENTOUSE
ELECTRODO DE SUCCIÓN
PŘÍSAVNÉ HRUDNÍ ELEKTRODY



- Elettrodi in Nickel o AG/AGCL con pompetta in gomma
- Soft rubber ring nickel electrode in nickel or AG/AGCL
- Coupelle en métal,électrode en nickel ou AG/AGCL
- Electrodo con cazoleta de goma blanda de Níquel o AG/AGCL
- Elektrody s gumovým balónkem v provedení Ni nebo Ag/AgCl

MISURE • SIZE • DIMENSIONS • MEDIDAS • ROZMĚRY	
NICKEL	
2062000215	**15** mm Ø
2062000224	**24** mm Ø
2062000230	**30** mm Ø
AG/AGCL	
2062000315	**15** mm Ø
2062000324	**24** mm Ø
2062000330	**30** mm Ø



- Soft rubber ring Nickel electrode
- Coupelle en caoutchouc, électrode en Nickel
- Electrodo con cazoleta de goma blanda de Níquel
- Elettrodi in Nickel con pompetta in gomma
- Balónkové hrudní elektrody s kovovým středem a měkkou gumou v provedení Ni

MISURE • SIZE • DIMENSIONS • MEDIDAS • ROZMĚRY	
2061000224	**24** mm Ø
2061000230	**30** mm Ø

medical devices



ELETTRODI A PINZA PER E.C.G.
- Set di 4 pezzi per uso adulto o pediatrico

CLAMP ELECTRODE FOR E.C.G.
- Set of 4 pieces adult or child

ELECTRODES À PINCES POUR E.C.G
- Jeu de 4 piéces adulte ou enfant

ELÉCTRODO DE PINZA PARA ECG
- Juego de 4 piezas adulto y pediátrico

KLIPSOVÉ KONČETINOVÉ EKG ELEKTRODY
- Sada 4 kusů pro dospělé nebo pro děti

ADULTI • ADULT • ADULTE • ADULTO • PRO DOSPĚLÉ	
2011000200	Nickel
2011000300	AG/AGCL
PEDIATRICO • CHILD • ENFANT • PEDIATRICO • PRO DĚTI	
2012000200	Nickel
2012000300	AG/AGCL

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ELETTRODI E. C. G. PER ESTREMITA'

LIMB ELECTRODE FOR E.C.G. RECORDING

ELECTRODES METAL POUR POITRINE

ELECTRODE PARA EL TÓRAX PARA ECG

KONČETINOVÉ EKG ELEKTRODY POD GUMOVÝ PÁS

2113000301	AG/AGCL



ELETTRODI E. C. G. PER ESTREMITA'

LIMB ELECTRODE FOR E.C.G. RECORDING

ELECTRODES MEMBRES ET PRÉCORDIALES MÉTALLIQUES

ELECTRODE PARA EL TÓRAX PARA ECG

KONČETINOVÉ EKG ELEKTRODY POD GUMOVÝ PÁS

2111000322	AG/AGCL

medical devices

2104015040



FASCIA IN GOMMA

RUBBER LIMB STRAP

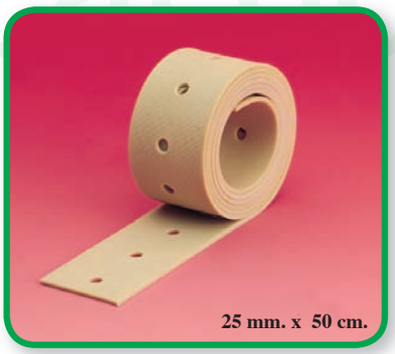
SANGLES THORACIQUES

CINTURON PARA EL TÓRAX DE CAUCHO

FASCIA IN GOMMA

GUMOVÝ KONČETINOVÝ PÁS

2103025045



FASCIA IN GOMMA

RUBBER LIMB STRAP

SANGLES THORACIQUES

CINTURON PARA EL TÓRAX DE CAUCHO

FASCIA IN GOMMA

GUMOVÝ KONČETINOVÝ PÁS



MISURE • SIZE • DIMENSIONS • MEDIDAS • ROZMĚRY	
2191002008	**20** x **8** mm
2191003010	**30** x **10** mm
2191003015	**30** x **15** mm
2191004016	**40** x **16** mm

ANELLI BIADESIVI
Dispensatore da 500 pezzi.

DOUBLE ADHESIVE RING
Box dispenser of 500 pieces.

RONDELLE ADHESIVE DOUBLE FACE
Boîte distributrice de 500 pièces

ANILLO DOBLE ADHESIVO
Dispenser de 500 piezas

OBOUSTRANNĚ LEPICÍ KROUŽKY
• Krabičkový dávkovač s 500 kusy.

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60 cm l · 2 mm Ø MALE SOCKET	
2231000211	Nero · Black · Noir · Negro · Černý
2231000212	Rosso · Red · Rouge · Rojo · Červený
2231000213	Verde · Green · Vert · Verde · Zelený
2231000214	Giallo · Yellow · Jaune · Amarillo · Žlutý
2231000215	Bianco · White · Blanc · Blanco · Bílý
2231000216	Marrone · Brown · Marron · Marron · Hnědý
223000217	Blu · Blue · Bleu · Azul · Modrý



60 cm l · 4 mm Ø FEMALE SOCKET	
2231000451	Nero · Black · Noir · Negro · Černý
2231000452	Rosso · Red · Rouge · Rojo · Červený
2231000453	Verde · Green · Vert · Verde · Zelený
2231000454	Giallo · Yellow · Jaune · Amarillo · Žlutý
2231000455	Bianco · White · Blanc · Blanco · Bílý

CAVETTI E. C. G. PER HOLTER
E.C.G. LEAD WIRES FOR HOLTER CABLE
CORDONS POUR ELECTRODES E.C.G. POUR CABLE HOLTER
HILOS LEAD PARA E.C.G PARA EL CABLE HOLTER
EKG KABLÍKY PRO HOLTEROVSKÉ PŘÍSTROJE

CAVETTI E. C. G. PER ELETTRODI
E.C.G. LEAD WIRES
CORDONS POUR ELECTRODES E.C.G.
HILOS LEAD PARA E.C.G
EKG KABLÍKY

medical devices

ADATTATORI A PRESSIONE
Attacco femmina ø 4 mm

PRESS STUD ADAPTER
4 mm ø socket

ADAPTEUR POUR ELECTRODE
Fiche banana 4 mm ø

HILO LEAD CON ALFILER
Apretado 4 mm ø

EKG ADAPTÉR S PATENTEM (PACIČKA)
dutinka prům. 4 mm

2257000451	Nero · Black · Noir · Negro · Černý
2257000452	Rosso · Red · Rouge · Rojo · Červený
2257000453	Verde · Green · Vert · Verde · Zelený
2257000454	Giallo · Yellow · Jaune · Amarillo · Žlutý
2257000455	Bianco · White · Blanc · Blanco · Bílý



ADATTATORE
Attacco maschio ø 4 mm

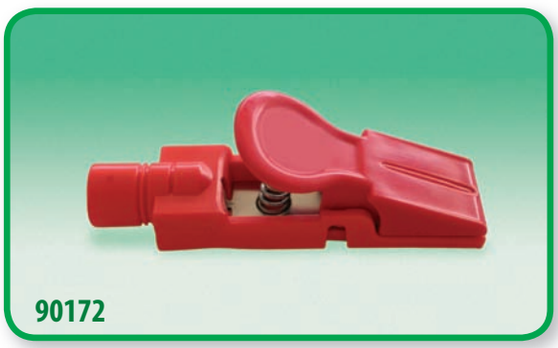
ADAPTER
4 mm ø male socket

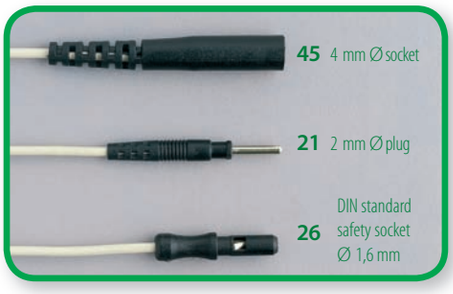
ADAPTEUR
Fiche 4 mm ø

ADAPTADOR
Apretado 4 mm ø

EKG ADAPTER
dutinka prům. 4 mm

90171	Nero · Black · Noir · Negro · Černý
90172	Rosso · Red · Rouge · Rojo · Červený
90173	Verde · Green · Vert · Verde · Zelený
90174	Giallo · Yellow · Jaune · Amarillo · Žlutý
90175	Bianco · White · Blanc · Blanco · Bílý





45 4 mm Ø socket

21 2 mm Ø plug

26 DIN standard safety socket Ø 1,6 mm

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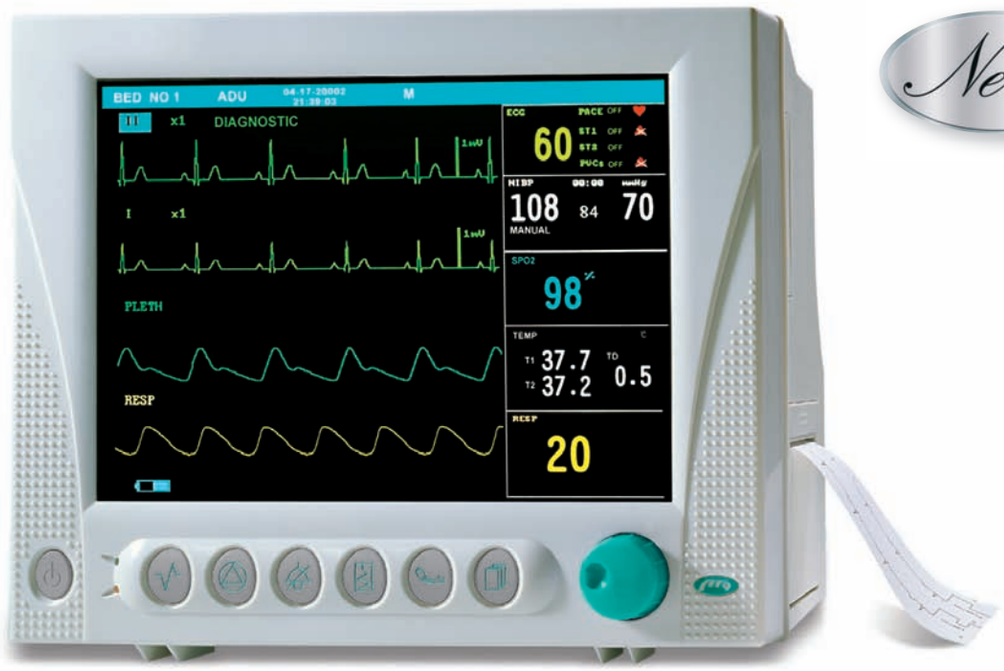


GEL PER ULTRASUONI ED E.C.G.
GEL FOR ULTRASOUND AND E.C.G.
GEL POUR ULTRASONS ET E.C.G.
GEL PARA ULTRASONIDO Y E.C.G.
GELY PRO ULTRAZVUKOVÁ A EKG VYŠETŘENÍ

ULTRASOUND		
361FAZ260	**260** gr	**25** Pcs box
361FAZLT1	**1.000** gr	**16** Pcs box
361FAZLT5	**5.000** g	**4** Pcs box (With soft dispenser)
E.C.G. GEL		
341FAZ260	**260** gr	**25** Pcs. box

medical devices

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New!

CE 0123

M9B ~ MONITOR PAZIENTE PORTATILE

- *Leggero, compatto, portatile*
- *ECG, SpO_2, Resp, NIBP, 2- Temp, PR, 2-IBP, CO, $EtCO_2$, Multi-Gas/O_2*
- *Display sino ad 11 onde simultanee*
- *Completo di batteria ricaricabile al Litio*
- *72 ore di sviluppo grafici e tabulati*
- *60 secondi per rilevazione completa dati*
- *Analisi Aritmia, segmento ST*
- *Interfaccia Computer, VGA (optional)*
- *Display ECG a 7 onde*
- *Utilizzabile per paziente adulto, pediatrico, neonatale*

Modello	M9b Express
Standard	colori 10"TFT, Definizione 800x600 ECG, RESP, NIBP, 2-TEMP, PR, Nellcor OxiMax SpO_2, Aritmia, Analisi S-T Stampante Termica, Batteria al Litio
Opzioni	2-IBP, CO, Multi-gas/O_2 Vista letto, Oxy CRG, $EtCO_2$, Presenza Stimolatore, Calcolo Medicinali, Supporto Monitor

Caratteristiche	
Certificazione	
APPROVATO IEC60601-1, MARCHIO CE COME DA MDD93/42/ECC	
Dimensione e Peso	
• Dimensione:	318mm(L)x152mm(P)x264mm(H)
Funzionamento Ambientale	
• Temperatura ambiente	5~40 °C
Capacita' Specifiche	
• Display	10" colore TFT
	Definizione 800x600
• Traccia	11 forme d'onda max
• Indicatore	Allarme
	Accensione
	Ricarica batteria
	QRS beep con allarme sonoro
• Interfaccia	Computer
• Batteria	14.8 v ricaricabile al litio
• Durata	1-72 ore per carica
• Stampante	di tipo termico a 2 tracce
	Rullo carta da 48mm
ECG	
ECG da 3 o 5 tracce selezionabili dall'utente	
• Modulo tracce da 5	RA,LA,RL,LL,V o R,L,N,F,C
• Modulo tracce da 3	R,LA,LL o R,L,F
• Selezione tracce	I ,II ,III ,avR, avF, V
• ECG tracciato onda	2 canali
• Tipo di Paziente	Adulti , Pediatrico , Neonatale
• Precisione	
• Frequenza cardiaca	+- 1pbm
• Protezione	Resiste sino a 4000VAC/50Hz in
	insolazione continua per interferenza
	di elettromedicali e defibrillatori
• Utilizzo	Diagnostico , Monitoraggio, Chirurgia
• S - T	SI
• ARITMIA Analisi	SI
• ALLARME	SI, sonoro e visuale, allarme per eventi

Respirazione	
Metodo:	indipendente tra R – F (RA – LL)
Allarme:	SI
Allarme apnea:	SI
NIBP	
• Metodo	oscillometrico
• Modalità	manuale, automatico, continuo
• Unita' di misura	mmHg/kPa selezionabile
• Tipo di misurazione	Sistolica, Diastolica ,Media
• Protezione sovrapressione	SI
• Definizione	1mmHg
• Allarmi	Sistolica, Diastolica,Media
SpO2	
• Scala di misurazione	da 0 a 100%
• Allarme	da 0 a 100%
• Scarto	1%
Temperatura	
• Misurazione	0 – 50°C
• Scarto	0.1°C
• Canali	2 canali
• Allarme	0 – 50°C
IBP	
• Canali	2 canali
• Allarme	SI
CO	
• Metodo	Thermodiluizione
• Calcolo	CO , CI ,TB , etc.
EtCO2	
• Metodo	Assorbimento infrarossi
• Sistema Misurazione	Convenzionale e non
• Allarme Apnea	SI
• Calcolo	$EtCO_2$, $InsCO_2$, AwRR
Multi-Gas/02	
• Metodo	Assorbimento infrarossi
• Tipo di Gas	$EtCO_2$, N_2O , Des ,Iso, Enf , Sev, Hal, O_2
	(opzione, sensore Paramagnetico o
	sensore Ossigeno Galvanico)

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FAZZINI

M9B
MONITOR PAZIENTE PORTATILE

- Lightweight, compact, portable
- ECG, SpO_2, Resp, NIBP, 2-Temp, PR, 2-IBP, CO, $EtCO_2$, Multi-Gas/O_2
- Up to 11 waveforms simultaneous display
- Built-in rechargeable battery
- 72 hour graphic and tabular trends
- 60 seconds full-disclosure waveforms review
- Arhythmia analysis, ST segment
- 7 leads ECG waveforms display
- Network, VGA output
- Suitable for adult, pediatric and neonatal patient

M9B
MONITEUR PATIENT PORTABLE

- Léger, compact, portable
- ECG, SpO_2, Resp, NIBP, 2- Temp, PR, 2-IBP, CO, $EtCO_2$, Multi gaz/O_2
- Ecran jusqu'à onze ondes simultanées
- Equipé d'une batterie rechargeable au lithium
- 72 heures de tendances graphiques et tableaux
- 60 secondes pour le relevé complet de données
- Analyse arythmie, segment ST
- Interface Ordinateur, VGA (en option)
- Ecran ECG 7 ondes
- Pour patient adulte, pédiatrique et nouveau-né.

M9B
PANTALLA DEL PACIENTE PORTÁTIL

- Ligera, compacta, portátil.
- ECG, SpO2, Resp, NIBP, 2- Temp, PR, 2-IBP, CO, EtC O2, Multi-Gas/ O2
- Display: hasta un máximo de 11 trazados simultáneos.
- Con batería de litio recargable.
- 72 horas de registro gráfico y tabular.
- 60 segundos, para obtener todos los datos completos.
- Análisis de las arritmias, segmento ST.
- Interfaz con el PC, VGA (opcional).
- Display ECG de 7 ondas.
- Salidas para VGA, en red .
- Rango de uso: pacientes adultos, pediátricos y neonatos.

M9B
PACIENTSKÝ MONITOR PŘENOSNÝ

- Nízká hmotnost, kompaktní, přenosný
- ACG,SpO2,Resp,NIBP,2- Temp, PR,2-IBP,CO,EtCO2,Multi-Gas/O2
- Současné zobrazení 11 kanálů
- Vestavěné akumulátory
- 72-hodinový grafický a tabulární trend
- 60 sekundové plnohodnotné prohlížení záznamů
- Analýza arytmií, ST segmenty
- Síťová karta, VGA výstup
- Zobrazení 7-svodového EKG
- Vhodný pro dospělé, děti a novorozence



72 ore di sviluppi grafici
- *72 hours trend graph*
- *72 heures de tendances graphiques*
- *72 horas de registro gráfico*
- *72-hodinový graf*



Massimo 11 tracce
- *Maximum 11 traces*
- *11 traces maximum*
- *Máximo de 11 trazados*
- *Maximálně 11 stop*



ECG 7 tracce
- *7 leads ECG waveforms*
- *ECG 7 traces*
- *ECG de 7 ondas*
- *7-svodové EKG*



Sviluppo tabulati
- *Tabular trends*
- *Tendances tableaux*
- *Registros tabular*
- *Tubulární trendy*

medical devices

Model **Model** **Modelo** **Model**	M9B Express
Standard **Standard** **Estándar** **Standard**	10" color TFT, 800x600 Resolution ECG, RESP, NIBP, 2-TEMP, PR, Nellcor OxiMax SpO_2, Arrhythmia, S-T analysis, Thermal Recorder, Battery
Optional **Options** **Opciones** **Příslušenství**	2-IBP, CO, $EtCO_2$, Multi-gas/O_2 Bed-to-bed-view, Oxy CRG, Drug Calculation, Pacer Detection, Thermal Recorder, Brace

SPECIFICATIONS

Safety

IEC60601-1 approved, CE marking according to MDD93/42/ECC

Dimensions and weight	
• Dimensions	318mm(W) x 152mm(D) x 264mm(H)
• Weight	5 kg

Operating Environment	
• Working Temperature	5~40 °C
• Humidity	30% - 85%
• Power	AC 100-240 V, 50/60 Hz,

Performance Specifications	
• Display	10" color TFT
	Resolutions 800x600
• Trace	11 waveforms maximum
• Indicator	Alarm indicator
	Power indicator
	Charging indicator
	QRS beep and alarm sound
• Interface	Network Port
• Battery	14,8V Rechargeable battery
• Recall	1-72 hours trend recall
• Recorder	Built-in thermal array
	Paper Width 48 mm

ECG	
• ECG 5-lead or 3-lead selectable	
• Lead Mode	5-lead: RA, LA, RL, LL,V or R, L, N, F, C
	3-lead: R,LA,LL o R,L,F
• Lead selection	I ,II ,III ,avR, avL, avF, V
• ECG waveform	2 channels
• Patient type	Adult/Pediatric/Neonatal
• Resolution	1 bpm
• Protection	Withstand 4000VAC/50Hz voltage in
	isolation against electrosurgical
	interference and defibrillation
• Operation modes	Diagnostic, Monitor, Surgery
• S-T segment	YES
• ARHYTHMIA Analysis	YES
• ALARM	YES, audible and visual alarm, alarm
	events recallable

Respiration	
• Method	Impedance between R - F (RA - LL)
• Alarm	YES
• Apnea alarm	YES

NIBP	
• Method	Oscillometric
• Operation modes	Manual/Automatic/Continuous
• Measurement unit	mmHg/kPa selectable
• Measurement types	Systolic, Diastolic, Mean
• Over-pressure protection	YES
• Resolution	1mmHg
• Alarm	Systolic, Diastolic, Mean

SpO_2	
• Measuring Range	0 ~ 100%
• Alarm Range	0 ~ 100%
• Resolution	1%

Temperature	
• Measurement Range	0 – 50°C
• Resolution	0.1°C
• Channel	2 channels
• Alarm Range	0 – 50°C

IBP	
• Channel	2 channels
• Alarm	YES

CO	
• Method	Thermodilution
• Calculation	CO , CI ,TB , etc.

$EtCO_2$	
• Method	Infrared Absorption
• Measurement Mode	Sidestream or mainstream
• Apnea alarm	YES
• Calculation	$EtCO_2$, $InsCO_2$, AwRR

Multi-Gas/O_2	
• Method	Infrared Absorption
• Gas sorts	$EtCO_2$, N_2O , Des ,Iso, Enf , Sev, Hal, O_2
	(optional, paramagnetic sensor or
	Galvanic Oxigen sensor)

WE RESERVE THE RIGHT TO CHANGE TECHNICAL SPECIFICATIONS WITHOUT PRIOR NOTICE.

02.570.00 ~ CARRELLO PER E.C.G.
Realizzato in tubolare d'acciaio verniciato.

02.570.00 ~ E.C.G. TROLLEY
Constructed from epoxy-painted steel tube.

02.570.00 ~ GUERIDON POUR E.C.G.
Structure en tube d'acier émaillé .

02.570.00 ~ CARRO PARA E.C.G.
Estructura de acero esmaltado.

02.570.00 ~ VOZÍK PRO EKG
Vyroben ze smaltovaných ocelových profilů.

DIMENSIONI • SIZE • DIMENSIONS • MEDIDAS • ROZMĚRY
36 x **31,5** x **72** (H) cm



medical devices

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ZERTIFIKAT ◆ CERTIFICATE ◆ 認証書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

Product Service

EC-CERTIFICATE

Full Quality Assurance System

(Annex II, section 3 of the Directive 93/42/EEC on Medical Devices)

No. G1 06 12 44963 013

Manufacturer: **Fazzini s.r.l.**
SS Padana Sup. 317
20090 Vimodrone (MI)
ITALY

Facility(ies): Fazzini s.r.l.
SS Padana Sup. 317, 20090 Vimodrone (MI), ITALY

Product Category(ies): **Electrocardiograph**

The Certification Body of TÜV SÜD Product Service GmbH declares that the aforementioned manufacturer has implemented a quality assurance system for design, manufacture and final inspection of the respective products / product categories according to Annex II section 3 of the Directive 93/42/EEC on Medical Devices. This quality assurance system conforms to the provisions of this Directive and is subject to periodical surveillance. For marketing of class III products an additional Annex II.4 certificate is mandatory. See also notes overleaf.

Report No.: ITA165794

Valid until: 2011-11-03

283569

Date, 2006-12-03

Reiner Krumme

TÜV SÜD Product Service GmbH is Notified Body according to Council Directive 93/42/EEC concerning medical devices with identification no. 0123.

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