

# ELECTROCARDIOGRAPH

# ELECTROCARDIOGRAFO

## ECG- SERIES

ECG-3  
ECG-3 PLUS (DISPLAYED)

ECG-1



- Completely digital design
- LCD display waveforms, parameters configurable
- Well designed touch panel
- Compatible with external printer for 12 leads simultaneous printing
- Interpretation database (optional)

SB-ECG SERIES  
REV. 00  
OCT. 2009

 **Advanced**

## Series Electrocardiograph TECHNICAL SPECIFICATIONS

## ESPECIFICACIONES TÉCNICAS

	ECG-1	ECG-3/ECG3 PLUS
<b>Input Circuit:</b> <i>Circuito de entrada:</i>	Floating input circuit, protection from defibrillation and pace maker	
<b>Lead:</b> Standard 12 leads <i>Pantalla:</i>	Standard 12 leads	
<b>Acquisition Mode:</b> <i>Modo de Adquisición:</i>	Single	12 Leads simultaneously
<b>A/D Converter:</b> <i>Convertidor A/D:</i>	12 bits	
<b>Measurement Range:</b> <i>Rango:</i>	Measurement Range: 5mVpp ±	
<b>Time Constant:</b> <i>Tiempo Constante:</i>	≥ 3.2s	
<b>Frequency Response:</b> <i>Frecuencia:</i>	0.05Hz~150Hz	
<b>Calibration Voltage:</b> <i>Calibración de Voltage:</i>	1mV ± 3%	
<b>Sensitivity:</b> <i>Sensitividad:</i>	2.5, 5, 10, 20 (mm/mV)	
<b>Input Impedance:</b> <i>Entrada:</i>	10MΩ	50MΩ
<b>Input Circuit Current:</b> <i>Circuito de entrada:</i>	≤ 50nA	
<b>Noise Level:</b> <i>Nivel de Ruido:</i>	< 15 μ Vp-p	
<b>Anti baseline Drift:</b> <i>Anti base:</i>	Automatic	
<b>Patient Leakage Current:</b> <i>Corriente Drenaje del paciente:</i>	< 10 μ A (220V-240V)	
<b>Patient Auxiliary Current:</b> <i>Corriente Auxiliar:</i>	< 0.1 μ A (DC)	
<b>Filter:</b> <i>Filtro:</i>	EMG Filter 35Hz (-3dB) AC/DFT Filter 50 Hz/60Hz (-20dB)	EMG Filter 25z/35Hz/45 (-3dB)/OFF DFT Filter 0.05/0.25/0.5Hz Lowpass Filter 150Hz/100Hz/75Hz AC Filter 50Hz/60Hz
<b>CMRR:</b> <i>CMRR:</i>	> 90dB	> 110dB
<b>Recording Mode:</b> <i>Modo de Grabación:</i>	Auto: 1CH, 1CH+1R Manual: 1CH	Auto: 3CH, 3/2 CH, 3CH+1R, 1CH, 1CH+1R Manual: 3CH, 3/2 CH, 1CH Rhythm: Single rhythm lead
<b>Rhythm Lead:</b> <i>Display Ritmo:</i>	Any Lead selectable	
<b>Safety Standard:</b> <i>Seguridad Estandar:</i>	IEC I/CF	
<b>Power Supply:</b> <i>Suministro de Energia:</i>	AC: 100V-115V/220V-240, 50/60Hz Built-in rechargeable Li-ion battery: voltage-14.4v More than 3 hrs continuously operation under battery supply	
<b>Recorder:</b> <i>Gravado:</i>	Thermal printer	
<b>Record Paper:</b> <i>Especificaciones de papel:</i>	50mm x 30mm	80mm x 20mm
<b>Paper Speed:</b> <i>Velocidad de papel:</i>	25mm/s, 50mm/s (±3%)	5mm/s, 6.25mm/s, 10mm/s, 12.5mm/s 25mm/s, 50mm/s (±3%)
<b>Dimension:</b> <i>Dimensiones:</i>	288mm x 210mm x 70mm	
<b>Weight:</b> <i>Peso:</i>	2.3Kg (with battery)	2.5Kg (with battery)
<b>Display:</b> <i>Pantalla:</i>	192 x 64 pixels LCD	320 x 240 pixels LCD (Wide Screen) 192 x 64 pixels LCD (Narrow Screen)
<b>External Input/Output:</b> <i>Entrada/Salida externa:</i>	Input: > 100 kΩ: Sensitivity 10mm/V ± 5% Output: 100 Ω : Sensitivity 1V/mV ± 5%	
<b>Communication Interface:</b> <i>Conector de Comunicaciones:</i>	RS 232	Ethernet, RS232, USB
<b>Capacity:</b> <i>Capacidad:</i>	120 Patients	
<b>Memory Interpreter:</b> <i>Interpretador con Memoria:</i>	No	Yes

Contact us for additional information.  
Contáctenos para información adicional.

NOTE: Specifications subject to change without notice.  
NOTA: Especificaciones sujetas a cambio sin previo aviso.