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Meditec E400 Series

Electro-Cardiographs



Trolley (Optional)



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Technical Specifications

Models	E402	E427	E417
ECG Recording	3 Channel	12 Channel	12 Channel
Display	3.3" LCD	Colored, 5.6" LCD	Colored, Touch Screen 8.4" LCD
Keypad	13 Function keys with navigation	18 Function Keys with navigation	QWERTY
Lead	Standard 12 leads	Standard 12 leads	Standard 12 leads
Acquisition Mode	12-leads ECG simultaneously	12-leads ECG simultaneously	12-leads ECG simultaneously
A/D Converter	12 bits	12 bits	12 bits
Anti-Defib & Pace Maker Detection	Available	Available	Available
ECG Measurement	Automatic	Automatic	Automatic
Data Interpretation	Automatic	Automatic	Automatic
Measurement Range	±5m Vpp	±5m Vpp	±5m Vpp
Time Constant	>3.2s	>5s	>5s
Frequency Response	0.05–150Hz	0.05–150Hz	0.05–150Hz
Calibrating Voltage	1mV±2%	1mV±1%	1mV±1%
Sensitivity (mm/mv)	2.5, 5, 10, 20	2.5, 5, 10, 20, 20/10, 10/5	2.5, 5, 10, 20
Input Impedance	>50mΩ	>50mΩ	>50mΩ
Input Circuit Current	<0.05mA	<0.05mA	<0.05mA
Noise Level	<15uVp-p	<15uVp-p	<15uVp-p
Anti Baseline Drift	Automatic	Automatic	Automatic
EMG Filter	25Hz/35Hz/45Hz/OFF	25Hz/35Hz/45Hz/OFF	25Hz/35Hz/45Hz/OFF
DFG Filter	0.05/0.1/0.2/0.5Hz	0.05/0.1/0.2/0.5Hz	0.05/0.1/0.2/0.5Hz
Lowpass Filter	150Hz/100Hz/70Hz	150Hz/100Hz/75Hz	150Hz/100Hz/70Hz
AC Filter	50Hz/60Hz/OFF	50Hz/60Hz/OFF	50Hz/60Hz/OFF
CMRR	>100dB	>105dB	>100dB
Recording Mode	Auto 3CH, 3CH+1R, 1CH, 1CH+1R Manual 3CH, 1CH Rhythm Single rhythm lead	Auto 12x1, 6x2, 3x4, 1 CH Manual 3x4+1R, 3x4+3R, 6x2+1R Rhythm Single rhythm lead	Auto 12x1, 6x2, 3x4 Manual 3x4+1R, 3x4+3R, 6x2+1R Rhythm Single rhythm lead
Rhythm Lead	Any lead selectable	Any lead selectable	Any lead selectable
Power Supply	AC:100V–150V / 220V–240V, 50/60Hz	AC:100V-150V / 220V-240V, 50/60Hz	AC:100V-150V / 220V-240V, 50/60Hz
Built-in Battery	2 Hrs, Li-ion Battery, 14.8V	2 Hrs, Li-ion Battery, 11.1V	2 Hrs, Li-ion Battery, 14.8V
Thermal Printer	In-built	In-built	In-built
Paper Style	Rolled or folded	Rolled or Z-folded	Rolled or Z-folded
Record Paper	80mm x 20mm	210 / 216mm paper (A5)	210 / 216mm paper (A4)
Paper Speed (mm/s)	5, 10, 12.5, 25, 50 (±2%)	5, 10, 12.5, 25, 50 (±2%)	5, 10, 12.5, 25, 50 (±2%)
Patient Data Storage	150 ECGs	300 ECGs	300 ECGs
Resolution	320 x 240 pixels	640 x 480 pixels	800 x 600 pixels
External Input/Output	Input>100Ω : Sensitivity 10mm/V±5% Output<100Ω : Sensitivity 1V/V±5%	Input>100Ω : Sensitivity 10mm/V±5% Output<100Ω : Sensitivity 1V/V±5%	Input>100Ω : Sensitivity 10mm/V±5% Output<100Ω : Sensitivity 1V/V±5%
Communication Interface	RS232, USB Port	RS232, USB Port, Network Interface	RS232, USB Port, Network Interface
PC Viewer	x	Optional	Optional
Weight	3kg (with battery)	3.2kg (with battery)	5.2kg (with battery)
Dimension (w x d x h)	320mm x 270mm x 70mm	259mm x 316mm x 98mm	410mm x 316mm x 132mm



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