

ESSE - 1 / 3

ESSE-1 / ESSE-3
Single/Three-Channel ECG



Care for Health

ESSE-1 / ESSE-3

Single/Three-Channel ECG

Support Solutions >



Carrying bag



Rolling stand

Specification

	SE-1	SE-3
Input Circuit	Defibrillator protect built-in	
Lead	Standard 12 leads	
Acquisition Mode	Single lead	12 leads simultaneous acquisition
A/D Converter	12 bits	12 bits / 24 bits (optional)
Input Voltage Range	$\pm 5\text{ mVpp}$	
Calibration Voltage	1mV $\pm 3\%$	
Frequency Response	0.05Hz ~ 150Hz (-3dB)	
Input Impedance	$\geq 50\text{M}\Omega$ (10Hz)	
Input Circuit Current	$\leq 0.05\mu\text{A}$	
DC Offset Voltage	$\pm 300\text{mV}$	$\pm 500\text{mV} / \pm 600\text{mV}$ (optional)
Noise	$\leq 12.5\mu\text{Vp-p}$	
Time Constant	$\geq 3.2\text{s}$	
DC Offset Voltage	$\pm 300\text{mV}$	$\pm 300\text{mV}$
Noise	$\leq 12.5\mu\text{Vp-p}$	
Time Constant	$\geq 3.2\text{s}$	
Baseline Adjustment	Automatic	
Filter	EMG Filter: 35Hz (-3dB) AC/DFT Filter: 50Hz/60Hz (-20dB)	AC Filter: On / Off DFT Filter: 0.05Hz / 0.15Hz / 0.25Hz / 0.32Hz / 0.5Hz / 0.67Hz EMG Filter: 25Hz / 35Hz / 45Hz / OFF LOWPASS Filter: 150Hz / 100Hz / 75Hz
CMRR	$\geq 110\text{dB}$	$\geq 110\text{dB} / \geq 115\text{dB}$ (optional)
Recording Mode	Auto: 1CH, 1CH+1R Manual: 1CH	Auto: 3CH, 3/2CH, 3CH+1R, 1CH, 1CH+1R Manual: 3CH, 3/2CH, 1CH Rhythm: Single rhythm lead
Rhythm lead	Any lead selectable	
Power supply	AC: 100V-115V/220V-240V, 50/50Hz Built-in rechargeable Li-ion battery: Rated voltage: 14.8V More than 3 hrs continuous recording under battery supply	
Recorder	Thermal printer	Thermal printer/External printer
Record paper	50mm x 30mm	80mm x 20mm
Paper speed	25mm/s, 50mm/s	5mm/s, 6.25mm/s, 10mm/s, 12.5mm/s, 25mm/s, 50mm/s ($\pm 3\%$)
Dimension	288mm \times 210mm \times 70mm (11.3in \times 8.3in \times 2.8in)	
Weight	2.3 kg	2.5kg
Display	192 \times 64 dot single color LCD screen	320 \times 240 dot single color LCD Screen 192 \times 64 dot single color LCD Screen
Communication Interface	N/A	Ethernet/RS232/USB



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