

One-channel ECG that is accurate, portable and affordable

DRE True ECG-1 One-channel ECG

- Built-in high-resolution thermal printer
- Built-in rechargeable Li-ion battery and AC/DC power supply
- Digital filtering (resists baseline drift, AC and EMG interference)
- Auto/manual work modes, and lead-off detection and alert



Technical Specifications

Input Circuit	Defibrillator protection built-in	Weight	2.3 kg (w/ battery)
Lead	Standard 12 leads	Display	192 x 64 pixels LCD
Acquisition Mode	Single lead	Recording Mode	
A/D Converter	12 bits	– Auto	1CH, 1CH+1R
Measurement Range	±5mVpp	– Manual	1CH
Time Constant	> 3.2s	Rhythm Lead	Any lead selectable
Frequency Response	0.05Hz ~ 150Hz	Power Supply	
Calibration Voltage	1mV ± 3%	– AC	100V-115V / 220V-240V, 50/60Hz
Sensitivity	2.5, 5, 10, 20 (mm/mV)	– Built-in rechargeable Li-ion battery	Voltage=14.4V
Input Impedance	> 10M Ω		More than 3 hours continuous work under battery supply
Input Circuit Current	<50nA	Recorder	Thermal printer
Noise Level	<15 μ Vp~p	Record Paper	500mm x 30mm
Anti-Baseline Drift	Auto	Paper Speed	25mm/s, 50mm/s (± 3%)
Patient Leakage Current	< 10 μ A (220V - 240V)	Dimension	288mm x 210mm x 70mm
Patient Auxiliary Current	<0.1 μ A (DC)	External Input/Output	
Filter		– Input	>100 k Ω; Sensitivity 10mm/V ± 5%
– EMG Filter	35Hz (-3dB)	– Output	< 100 Ω; Sensitivity 1V/mV ± 5%
– AC Filter 50	Hz/60Hz (-20dB)	Communication Interface	RS232
CMRR	>90dB		