

Portable ECG monitor displays vibrant waveforms on a convenient flip-screen

DRE True ECG-3 (Three-channel ECG)

- » 12 leads simultaneous acquisition.
- » Built-in high-resolution thermal printer.
- » Built-in rechargeable Li-ion battery.
- » AC/DC power supply.
- » Automatically measures and interprets ECG.
- » Complete digital filtering, resisting baseline drift, AC and EMG interference.
- » Automatically adjusts baseline.
- » Auto/manual work modes.
- » Select from three printing formats – auto, manual and rhythm.
- » Lead-off detection and alert.
- » Heart rate variability (HRV) analysis.
- » Choose either a narrow or wide LCD screen.



Features USB and Ethernet ports for printing and data storage

- » Print 12 leads via your external jet printer.
- » Narrow screen version stores 120 ECGs and wide screen version stores 144 ECGs.
- » Support for ECG data input function.
- » Available with PC-based ECG data management software.



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.

DRE True ECG-1 & True ECG-3

One/Three-channel ECG

Equipment for the way *you* operate

Specifications	DRE True ECG-1	DRE True ECG-3
Input Circuit	Defibrillator protection built-in	
Lead	Standard 12 leads	
Acquisition Mode	Single lead	12 leads simultaneously
A/D Converter	12 bits	
Measurement Range	±5mVpp	
Time Constant	> 3.2s	
Frequency Response	0.05Hz ~ 150Hz	
Calibration Voltage	1mV ± 3%	
Sensitivity	2.5, 5, 10, 20 (mm/mv)	
Input Impedance	> 10M Ω	>50M Ω
Input Circuit Current	<50nA	
Noise Level	<15 μ Vp~p	
Anti-Baseline Drift	Auto	
Patient Leakage Current	< 10 μ A (220V - 240V)	
Patient Auxiliary Current	<0.1 μ A (DC)	
Filter	EMG Filter 35Hz (-3dB) AC Filter 50 Hz/60Hz (-20dB)	EMG Filter 25 Hz/35Hz/45Hz/OFF DFT Filter 0.05/0.15/0.25/0.5Hz Lowpass Filter 150 Hz/100Hz/75Hz AC Filter 50 Hz/60Hz
CMRR	>90dB	>110dB
Recording Mode	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
Rhythm Lead	Any lead selectable	
Power Supply	AC: 100V - 115V / 220V - 240V, 50/60Hz Built-in rechargeable Li-ion battery: voltage=14.4V More than 3 hours continuous work under battery supply	
Recorder	Thermal printer	
Paper Speed	25mm/s, 50mm/s (± 3%)	5mm/s, 6.25mm/s, 10mm/s, 12.5mm/s, 25mm/s 50mm/s (± 3%)
Dimension	11.3" x 8.3" x 2.8" (288 mm x 210 mm x 70 mm)	
Weight (w/ battery)	5.1 lbs. (2.3 kg)	5.5 lbs. (2.5 kg)
Display	192 x 64 pixels LCD	320 x 240 pixels LCD (wide screen) 192 x 64 pixels LCD (narrow screen)
External Input/Output	Input: >100 k Ω; Sensitivity 10mm/V ± 5% Output: < 100 Ω; Sensitivity 1V/mV ± 5%	
Communication Interface	RS232	Ethernet, RS232



DRE True ECG-1



DRE True ECG-3 (wide screen)



DRE True ECG-3 (narrow screen)