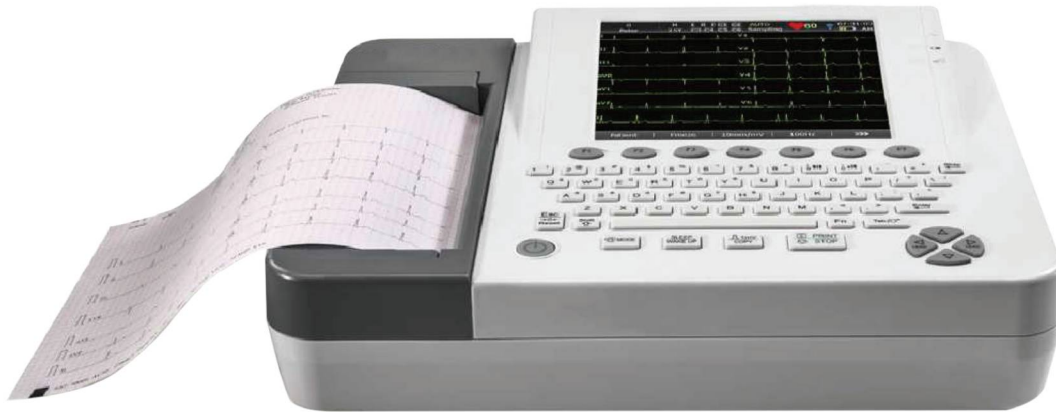# ESSE-1200 Express
Twelve channel ECG

Pulse Healthcare Technology
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ESSE-1200

Twelve Channel ECG

Features

- ◆ 8" high resolution color touch screen (ESSE-1200 Express)
- ◆ 8" LCD screen (ESSE-1200 Express Basic)
- ◆ Alphanumeric keyboard
- ◆ One-touch operation with age and gender shortcuts
- ◆ Support barcode scanner to simplify workflow
- ◆ Weak signal detection with the most advanced 24 bits A/D converter technology
- ◆ Anti-noise technology with comprehensive filters and the high CMRR over 115dB
- ◆ 120s real-time ECG waveforms freezing and review to assist your diagnosis
- ◆ Automatic measurements and interpretation tested by CSE/AHA/MIT database
- ◆ Extend printing once arrythmia is detected to further rhythm analysis
- ◆ Integrated andavnced ECG analysis: Vector ECG
- ◆ Built-in high resolution thermal recorder to print on normal thermal paper and A4 size fax paper
- ◆ External USB printer support
- ◆ 200 ECGs internal memory which can be enlarged by USB flash disk
- ◆ Smart ECG Viewer software for data management on PC (option)
- ◆ DATA transmitting to PC via LAN/WIFI
- ◆ Standard ECG formats: PDF, SCP, FDA-XML and DICOM data export
- ◆ Bi-directional data communication with DMS

Specifications

	ESSE-1200 Express Basic	ESSE-1200 Express
Input Circuit	Defibrillation protection	
Lead	Standard 12 leads	
A/D Resolution	24 bits	
Time Constant	≥3.2s	
Frequency Response	0.05Hz ~ 150Hz (–3dB)	
Sensitivity	2.5, 5, 10, 20, 10/5, AGC (mm/mV)	
Input Impedence	≥50Ω (10Hz)	
Input Circuit Current	≤0.01μA	
Input Voltage Range	<±5mVpp	
Calibration Voltage	1mV ±2%	
DC Offset Voltage	±600mV	
Noise	≤12.5μVp-p	
Filter	AC Filter: On/Off – DFT Filter: 0.05/0.15/0.25/0.32/0.5/0.67Hz EMG Filter: 25Hz/35Hz/45Hz/Off – LOWPASS Fter: 150/100/75Hz	
CMRR	≥115dB	
Working Mode	Auto/Manual/Rhythm/T-R/Off	
Rhythm	Single channel or three channel selectable	
Power Supply	AC: 100V-240V, 50/60Hz	
Battery	Built-in rechargeable Li-ion battery for 300 copies ECG printing	Built-in rechargeable Li-ion battery for 350 copies ECG printing
Printer	Thermal printer/External printer	
Record Paper	Roll and Z-fold	
Record Width	216mm, 210mm	
Record Speed	5mm/s, 6.25mm/s, 10mm/s, 12.5mm/s, 25mm/s, 50mm/s (±3%)	
Dimension	420x330x105mm	
Weight	5.0kg	
Display	8" multicolor LCD screen	8" high resolution color touch screen
Communication Interface	Ethernet/RS232/USB	

ESSE-1200

Twelve Channel ECG

Mounting solutions

Trolley

Rolling Stand

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ISO 9001
ISO 13485