

ESY-G1 is single channel ECG machine. All 12 channels are serially acquired and printed on 2" thermal paper.

**1. Dimension and Weight**

Dimensions : 211 L X 161 W X 66 H  
 Weight : Approx. 1.5 kg. (With Battery)

**2. Environmental**

Operating Temp. : -5 °C to +50 °C.  
 Operating & Storage : up to 95 % non-condensing.  
 Humidity

**3. Performance**

Display : 16 X 2 alphanumeric blue LCD display with backlit.  
 Language : English  
 Printout : ECG trace, Gain, Paper speed, Lead marking and calibration pulse  
 Recording format : Auto and manual  
 Writing device : Electronic thermal array printer  
 Recording length : Auto2-2sec/lead (factory set- Auto format)  
                           Auto3- 3 sec/lead  
                           Auto4- 4 sec/lead  
 Recording paper : Thermal, 50mm, 20mtrs

**4. Power supply**

Input : 150 - 260 VAC, 50 Hz, 1 Ø.  
 Output : 18V DC @ 1.2 A.  
 Battery : 11.1V /2.6Ah rechargeable.  
 Battery backup : 7hours  
 Power consumption : < 20 Watt  
 Charging Time : 15 hrs approximately for fully discharged battery

**5. ECG**

Frequency response : 0.05 to 150 Hz with notch at 50 Hz  
 Input impedance : 10 M ohm  
 Time constant : > 3.2 sec  
 A/D conversion : 12 bit  
 Noise : < 20µV<sub>p-p</sub>  
 Leakage current : < 10 µA  
 CMRR : > 120 dB  
 Patient isolation : Optical isolation.  
 Lead selection : standard 12 leads  
 Gain : 5, 10 & 20 mm/mV

Sweep speed : 25.0, 50.0 mm/S.

Protection : Resistant to Defibrillator

**\*Due to our continuous product improvement program, features can be enhanced.**