

## General Specification

### Function

- Interpretation (Option)
- R-R Trend
- Arrhythmia (Option)
- Stress (Option)
- Filing (Internal): Up to 300 events
- Filing (Other): PCMCIA Card
- Communication: RS-232C, CRT

### Electrocardiograph

- Leads: Standard 12 leads
- Sensitivity:  
1/4, 1/2, 1, 2 cm/mV or automatic
- Polarization Voltage:  
 $\pm 550\text{mV}$  or greater
- Frequency Response: 0.05 to 150Hz
- Time Constant: 3.2 sec
- Common Mode Rejection:  
2mmp-p or lower (103dB or more)
- Input Impedance:  
50M ohms or greater
- Input Circuit Current:  
 $5 \times 10^{-8}\text{A}$  or lower
- Internal Noise:  $20 \mu \text{Vp-p}$  or lower
- Calibrated Voltage:  
 $1\text{mV} \pm 2\%$  or lower
- Sampling rate: 8000/sec/ch
- Hum Filter: -20dB or less at 50/60Hz
- Muscle Filter:  
-3dB (-6dB/oct) at 25/35Hz
- Drift Filter: -3dB or less at 0.25/0.5Hz

### Recorder

- Recording System:  
Thermal Array Head
- Width of paper: 210mm
- Recording Speed:  
5, 10, 12.5, 25, 50mm/sec
- Resolution; Deflection axis:  
8 dots/mm
- Resolution; Time axis :  $500 \mu \text{sec}$
- Recording Channels:  
3ch, 3ch + rhythm lead 1,  
3ch + rhythm lead 2, 6ch,  
6ch + rhythm lead 1, 12ch
- Recording Paper ; Roll Paper:  
OP-69TE (210mm x 30m)
- Recording Paper ; Z-fold Paper:  
OP-621TE (210mm x 100m)



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## Display

- Type: LCD with backlighting
- Resolution:  
320 dot (horizontal) x 240 dot (vertical)
- Representation Channel: 3, 6, 12
- Patient data:  
ID number, age, sex, height,  
weight etc

## Operation

- Membrane Keys
- Touch Screen

## Keyboard

- Full Alphanumeric keyboard

## Measurement Operation

- Basic Measurement Value:  
Heart Rate, R-R time, P-R time,  
QRS time, QT time, Qtc,  
Electrical Axis, SV1, RV5(6)
- Heart Rate Measurement:  
20 to 300bpm
- Accuracy:  $\pm 2$ bpm

## Analysis Operation

- Interpretation and Code:  
Approx. 110 types
- Minnesota Code: Approx. 130 types
- Grade Judgment: 4 types
- Exercise Judgment:  
3 types (Rest status only)

## General

- Safety Standard: IEC60601-1  
(Class I, Type CF; Internally Powered  
Equipment, Type CF)
- Power Supply for AC:  
100 to 240 V AC ( $\pm 10\%$ ), 50/60Hz,  
Power Consumption: 120VA
- Power Supply for DC:  
Ni-MH Battery (8/HRY-4/3AFD)  
Power Consumption: 65W
- DC Operation Time: 60 min
- DC Charging Time: 210 min
- Dimensions:  
335mm(W) x 346mm(D) x 100mm(H)  
13.2 x 13.6 x 3.9 inch
- Weight: Approx. 6.0kg (13.22 lbs)

## Operating Environment

- Temperature:  
+10 to + 40 degrees Celsius  
(50 to 104 degrees Fahrenheit)
- Humidity: 25 to 95% (no condensation)
- Atmospheric Pressure:  
70 to 106 kPa (700 to 1060 mbar)

## Storage Environment

- Temperature:  
-10 to + 55 degrees Celsius  
(14 to 131 degrees Fahrenheit)
- Humidity: 10 to 95% (no condensation)
- Atmospheric Pressure:  
70 to 106 kPa (700 to 1060 mbar)