

SPECIFICATIONS

Itm - ER-5

DEFIBRILLATION

ECG Lead Select: I, II, III, aVR, aVL, aVF, V, Paddle/Pads, Ext ECG
 Waveform: Truncated Exponential Biphasic
 Maximum Shock: Delivery time 20ms
 Output Energy: Manual: 1~10J, 15J, 20J, 30J, 50J, 70J, 100, 120, 150J, 170J, 200J
 AED Mode (Single energy output) : 150J
 Internal Paddle: 1~10J, 15J, 20J, 30J, 50J
 Energy Accuracy: 1~10J:±2%, 15~200J:±15%
 Charge Time: Less than 12 seconds to 200 J
 Shock Delivery: Via multifunction defib electrode pads - External paddle or internal paddle (pediatric)
 Patient impedance: Shock Range: 25~1750hm
 AED Mode: Shock advisory sensitivity and specificity meet AAMI DF-80 guidelines

Synchronous
 Cardioversion: Pads or External paddle, External ECG input
 Voice & Text: Prompts guide the user through the protocol
 Prompts (AED): All the user interfaces are supported in local language for easy use and access

ECG MONITORING

Input: Lead I, II, III obtained through 3-lead ECG cable separate monitoring electrodes.
 With 5-lead cable obtain leads I, II, III, aVR, aVL, aVF, or V
 Lead Fault: message/dashed line displayed, if an electrode or lead wire becomes disconnected
 Heart Rate Display: 30 to 300 bpm (±3bpm)
 ECG size: 5, 10, 20mm/mV and Auto-gain
 Heart Rate Alarm: Less than Minimum setting rate
 Over than Maximum setting rate

SpO2 PULSE OXIMETRY

Saturation: 70~100% (±3 digits)
 Pulse Rate: 20~250 bpm (±3bpm)
 Perfusion: 0.2%
 SpO2 Alarm: Less than Minimum setting rate
 Over than Maximum setting rate

POWER SOURCE

Internal Battery

Type: Rechargeable / 12V 4.2Ah Nickel-Metal Hydride battery pack
 Capacity: When new, minimum of 200 shock deliveries (200J)
 Recharging time: Minimum of 4 hours for full charging

External Battery

Type: Disposable/12V 4200mAh Lithium battery pack
 Capacity: When new, minimum of 200 shock

deliveries (200J) AC / DC Adapter
 Input - Output: 100~240V AC 50/60Hz 170VA - DC 12V, 3.6A

DATA STORAGE AND MANAGEMENT

Internal Flash memory: 12 hours of event and ECG recording
 SmartMediaCard (32M): 42 hours of event and ECG recording or 1 h. if voice recording is enabled
 Transmit patient data to PC: UART / IrDA

DISPLAY

LCD Dimensions: 4" diagonal (80mm x 60mm)
 Type: High resolution Mono Graphic LCD
 Resolution: 320 x 240 pixels
 Wave Viewing Time: 3.2 seconds (ECG)
 Sweep Speed: 25mm/sec
 Back light: EL Back light

SELF-TEST

Power On Self-Test, Run Time Self-Test, Manual Self-Test,
 Periodic Automatic Self-Test (Daily / Weekly / Monthly)

ENVIRONMENTAL REQUIREMENT

Temperature: Operating: 0°C~40°C - Storage: -20°C~60°C
 Humidity: 5%~95%

DIMENSIONS AND WEIGHT

254 x 365 x 105 mm - 3.5 Kg (without paddle)

STANDARD PACKAGE

Device
 Reusable External Paddle (Pediatric included)
 Power cord
 AC Adapter
 Ni-MH Battery
 User's Guide

OPTIONS

Carrying case
 SMC (32M)
 Printer (RS232C)
 Car Lighter Jack for Car DC 12V
 Defi Pads and Adapter
 Internal Defi Paddles
 3-Lead or 5-lead ECG cable
 ECG in/out cable
 SpO2 Module Set
 Disposable Battery Pack (Li-ion)
 IrDA Connector for Data Communication
 Software for Data Management with Key-File (UART Cable incl.)