



ES-DEF EXPRESS

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INTENSIVE CARES



ES-DEF EXPRESS

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Cod. ES-89: =9L DF 9GG

The ES-DEFI EXPRESS is a compact, durable, light weighted defibrillator which integrated monitoring, manual defibrillation, AED and pacer (optional). It is a professional biphasic defibrillator-monitor suitable for hospitals and clinics, with ECG monitoring paddles and Optional Nellcor SpO2.

Technical Features

Defibrillator	
Waveform	Biphasic
Charge Time	Less than 7 seconds with a new fully charged battery
Energy Display	Monitor display indicates both selected and delivered energy
Charge Prompt Type	Voice and visual prompts
Electrode Impedance Range	0-250 ohms

Display	
Screen Type	High-resolution display
Screen Size	7 inches (17.7 cm)
Sweep Speed	25mm/sec
Information	Heart Rate, Lead/Pads, Alarm On/Off, SpO2, AED
Selections	Functions and Prompts Alarm Selection and Limits, Delivered Energy

ECG Monitoring	
Patient Connection	3-lead ECG cable, or 5-lead ECG cable, paddles
Lead Selection	Displayed on monitor, paddles, I, II, III, AVR, AVL, AVF, V
ECG Size	0.25, 0.5, 1, 1.5, 2, 4 cm/mV display on monitor
Heart Rate	20-300BPM
Heart Rate Alarm	On/Off displayed on monitor, user-selectable
Smart Alarms	Beeper/voice prompts indicate shock able rhythm

Battery	
Type	Rechargeable, Ni-MH battery, 12V For a new fully charged battery: 60 defibrillator discharges at maximum energy, or 3 hours minimum of continuous ECG monitoring. Additional parameters will effect operating time with different functions
Operating Time	

SpO2 Module (Optional - standard or Nellcor type)	
Measurement Range	30~100%, ±2% between 80%~90%, others ±5%
Alarm Range	User set high limit and low limit
Alarm Accuracy	±10% within setting values
Alarm time Accuracy	less than 12 sec

Recorder	
Paper	50mm thermal
Speed	12.5mm/sec, 25mm/sec, 50mm/sec. User-selectable 6-second delay
Printing Method	High-resolution, thermal print head
Print-out Modes	Manual or automatic, user-configurable
On/Off Control	Front panel and paddle
Automatic Function	9-seconds recording initiated by alarm activation or defibrillator charge or defibrillator discharge

AED Mode	
AED Function	Auto analyze and charge x3 with programmable auto energy level selection, screen prompts, and voice prompts
Shockable Rhythms	Ventricular fibrillation with amplitude >=200uV, ventricular tachycardia with rates >=140bpm, and QRS complex wave duration >=140ms
Charge Control	Control on device front panel, press key on paddle
Prompts	Voice and visual prompts

Manual Mode	
Energy Selection	Selectable at 2, 5, 7, 10, 20, 30, 50, 70, 100, 150, 200, 300, 360 joules
Synchronized Mode	Synchronizes defibrillator pulse to patient's R-wave. "SYNC" message displayed on monitor
Physical Features	
Weight	4.95 kg, basic configuration
Size	33 x 31.8 x 13.5 cm



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