

## CLINICAL DEFIBRILLATOR

# DefiMax biphasic



### Clinical defibrillator designed for a professional use.

The basic configuration of the device allows a manual defibrillation, cardioversion and ECG measurement. It can be also equipped with additional modules: pulse oximetry (SpO<sub>2</sub>), non-invasive blood pressure (NIBP) and with an option of transcutaneous pacemaker and AED mode.

The large, 6.5-inch high-brightness colour screen provides legible information about defibrillation and stimulation, as well as about measured patient's parameters.

Due to a wide range of available defibrillation energies - 1 to 300 J (360 J option) and integrated accessories, the defibrillator can be used for pediatric and adult patients.

**EUROPEAN PRODUCT  
SOLD AROUND THE WORLD**

Over 30 years of experience, thousands of patient monitors and defibrillators sold in Europe, Asia, Australia, Africa and South America.



EUROPEAN QUALITY



EASY TO USE



RELIABLE

## TECHNICAL PARAMETERS

### GENERAL PARAMETERS

Power supply	110/230 VAC ±10% 50/60 Hz
Internal battery	12 VDC
Safety class	I, CF, BF
Safety requirements	MDD: 93/42/EEC, 2007/47/EC; EN 60601-1, EN 60601-1-2, EN 60601-2-4
Weight	6.0 kg without paddles
Dimensions	298 x 312 x 260 mm

### MODES

Manual mode  
 Cardioversion mode  
 AED mode  
 Monitoring mode  
 Pacer mode  
 Service mode

### DISPLAY

Display type	6.5" LCD TFT colour
Resolution	640 x 480 pixels
Digital values and waves displayed	

### THERMAL RECORDER

Paper width	57 mm
Mode	auto and manual
Number of channels	3
Sweep speed	25 and 50 mm/s
Printout length	15 s

### MONITOR MODULE

Number of channels	4
Sweep speed	3.125 to 50 mm/s
Trends	min. 6 h
Archive	min. 6 h
Events archive	min. 500
Alarms for all parameters	

### DEFIBRILLATOR MODULE

#### Manual and cardioversion mode

Electrodes type	disposable and reusable adult and pediatric
Impulse type	biphasic with patient's impedance compensation
Energy range	1 to 300 J (360 J option)
Charging time	< 10 s for 300 J

#### AED mode (option)

Electrodes type	disposable
Impulse type	biphasic with patient's impedance compensation

Advanced help system during defibrillation



### ECG MODULE

Leads	I, II, III, aVR, aVL, aVF, Vn; (ECG 12 option)
CMRR ratio	> 100 dB
Filter	diagnostic, monitoring, transport
Sensitivity	2.5 - 40 mm/mV
HR range	15 - 300 bpm
QRS signaling	acoustic and optical
Input protected against defibrillator and high frequency interferences	

### PACER MODULE (option)

Impulse shape	monophasic
Mode	on demand and fixed-rate
Output current	0 to 200 mA
Pacing rate	30 to 180 1/min
Impulse width	5 to 40 ms

### SpO2 MODULE Nellcor OxiMax™ (option)

Measurement range	0 - 100%
Accuracy 70% - 100%	2 digits
Accuracy 60% - 80%	3 digits
Pulse rate	20 - 300 bpm
Acoustic signaling of saturation	
Motion and low perfusion tolerant	
Plethysmographic wave displayed	

### NIBP MODULE (option)

Measurement range of transducer	10 - 300 mmHg
Measurement mode	manual, auto or STAT
Auto-mode repetition time	1 - 480 min