

Clinical Defibrillator

DefiMax biphasic



A professional, clinical defibrillator with a cardioversion. The ergonomic design of the device and a big, 6.5" colour screen makes DefiMax suitable for emergency use both as a defibrillator and a patient monitor to observe ECG, NIBP and SpO2. ECG waveform can be printed out on a built-in thermal printer.

The defibrillator can work in a manual and automatic mode (AED). It can be used for carrying out transcutaneous stimulation in an asynchronous or synchronous mode.

Due to a wide range of available defibrillation energy (from 1 to 300J) and integrated accessories, the defibrillator can be used to rescue adults and children.



**European quality,
worldwide recognition**

Over 20 years of experience, thousands of patient monitors and defibrillators sold in Europe, Asia, Australia, Africa and South America.

• Ementel worldwide

Technical parameters DefiMax biphasic

CE 2274

GENERAL PARAMETERS

Power supply	100 - 240 VAC 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	

MONITOR MODULE

Number of channels	4
Sweep speed	3.125 to 50 mm/s
Trends	6 h
Archive	6 h
Events archive	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
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
CMRR ratio	> 100 dB
Frequency range:	
Diagnostic	0.05 to 100 Hz
Monitoring	0.5 to 40 Hz
Paddles	1 to 25 Hz
Sensitivity	2.5 - 20 mm/mV
HR range	15-300 bpm
QRS signaling	acoustic and optical
Input protected against defibrillator and high frequency disturbance	

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 mm Hg
Measurement mode	manual, auto or STAT
Auto-mode repetition time	1 - 480 min

THERMAL RECORDER

Paper width	57 mm
Mode	auto and manual
Number of channels	2
Sweep speed	25 and 50 mm/s
Printout length	15 s



A. Mickiewicza 66, 41-807 Zabrze, POLAND
phone: +48 32 271 90 13 fax: +48 32 271 57 27
medical@emtel.com.pl www.emtel.com.pl

Emtel zastrzega sobie prawo do zmian w tym folderze oraz produkcie w dowolnym momencie bez powiadomienia.



EUROPEAN UNION
EUROPEAN REGIONAL
DEVELOPMENT FUND



Project co-financed by the European Union from the European Regional Development Fund.

Emtel reserves the right to make changes to this sheet and the product at any time without notice.
Photos were taken in Boni Fratres Order Hospital in Katowice.