

DefiMonitor EVO



- ▶ Manual and Automatic Mode
- ▶ 12-Channel-ECG
- ▶ NIBP, IBP
- ▶ Capnography (EtCO₂)
- ▶ Pacer, Temperature, SpO₂
- ▶ TFT-LCD Color-Display (8.4")



Defibrillation	
Impulse shape	biphasic
Energy in the automatic mode	according to patient impedance
Energy Levels in Manual Mode	1J, 2J, 3J, 4J, 5J, 6J, 7J, 8J, 9J, 10J, 15J, 20J, 30J, 40J, 50J, 75J, 100J, 150J, 175J, 200J, 300J, 360J
Charge time	< 6 s for 200J (For a new, full charged battery at 25 °C) 9 s for 360J (For a new, full charged battery at 25 °C)
Pacemaker detection	Detect pacer pulses of ± 2 mV to ± 700 mV with pulse widths of 0,1 msec to 2 msec and rise times 10 % of width, not to exceed 100ms
Cardioversion	Manual activation
Defibrillation electrodes	
Adhesive electrodes	hands free
Shelf life	36 month
Cable length	2,0m
Activ electroode surface	164 cm ² overall
Paddels	Adult Electrodes with built-in pediatric electrodes
Functions Paddles	Energy selection and charging / discharging as well as printing of data by operating the paddles
Resuscitation guidelines	
Factory set	Guideline 2010 (ERC/AHA)
ECG	
12-Channel-Leads	I, II, III, aVR, aVL, aVF, V, V1, V2, V3, V4, V5, V6
Heart rate	0. 20 to 300bpm
Analysis time	5–9s
Respiration	
Technology	Impedance Pneumography / Nondispersive infrared spectroscopy
Pacer (NIP)	
Modes	Demand, Async (FIX)
Stimulation frequency	30 ppm to 180ppm
Impulse current	0 mA to 140 mA
Impulse shape	Rectilinear, Constant current
Pulse oximeter	
Model	Nellcor®
Range	1 % to 100 %
NIBP	
Technology	Oscillometric Measurement
Measurement Range Adult/Pediatric	SYS 60 to 250 mmHg / MAP 45 to 235 mmHg / DIA 40 to 200 mmHg
Measurement Range Neonatal	SYS 40 to 120 mmHg / MAP 30 to 100 mmHg / DIA 20 to 90 mmHg
IBP	
Measurement Range	- 50 to 300 mmHg
Capnography (EtCO₂)	
Type	Respironics®
Ambient-CO ₂ -level-	From 0 to 700 ppm
EtCO ₂ -Module	Sidestream/ Mainstream
Temperature	
Measurement Method	Thermistor
Range	0 to 50 °C (32.0 to 122 °F)
Monitor	
Model	TFT-LCD color
Dimensions	170 x 128 mm (diagonal 8.4"/ 212 mm)
Resolution	800 x 600 Pixel
Number of channels	4 / 12 cascaded
Integrated Printer	
Model	Thermal print
Channels	1 to 12 channels
Paper	thermal paper
Paper Width	80 mm
Printer Speed	25/50 mm/s
Data management	
Memory	12-lead-ECG (100 records) / Event (250 records)
storage medium	USB memory, SD card
External Interface	
USB host	memory stick
SD Memory Card	For additional memory
Telemetry	3G/GSM, WLAN, Bluetooth
Energy supply	
AC Power	100V–240V, 50Hz/60Hz
Rechargeable-Battery	Lithium-Ion, 10.8V/7200 mAh
Operation time	up to 10 hours
Number of shocks	200 shocks@200J (2 batteries)
Recharging Time	approx. 5 hours
Dimensions	
Hight x Width x Depth	approx. 350 mm x 430 mm x 220 mm
Weight	approx. 7 kg excluding paddles, accessories and energy supply
Accessory	
Standard	Accessory bags included
Options	
Fixation	Vehicle wall charging station according to Norm EN1789