MODULAR PATIENT MONITOR

emtel Defibrillators Patient Monitors

FX 3000MD

High quality modular patient monitor designed to be used in all hospital wards.

FX 3000MD is mainly intended for intensive care units, cardiology, as well as for operating rooms, where the highest accuracy and reliability of measurements are required. Its modular design enables the flexible configuration of monitored parameters, due to the use of easily transferable modules.

The monitor display can be selected depending on the size of the room in which it will be installed and user requirements. There are three options available: 15", 17" or 19".

Due to the high quality touch screen and advanced software with an intuitive interface, a user is able to gain confidence in operating patient monitors in a very short time.

EUROPEAN PRODUCT
SOLD AROUND THE WORLD

Over 25 years of experience, thousands of patient monitors and defibrillators sold in Europe, Asia, Australia, Africa and South America.

EUROPEAN QUALITY **EASY TO USE** **RELIABLE**

FX 3000MD

CE 2274

TECHNICAL PARAMETERS

GENERAL PARAMETERS

Power supply	100 - 240 VAC 50/60 Hz
Internal battery	12 VDC
Protection class	I, CF
Safety requirements	MDD: 93/42/EEC, 2007/47/EC; EN 60601-1

LCD DISPLAY

Colour display	LCD TFT 15", 17", 19"
Number of channels	8/12
Sweep speed	3 - 50 mm/s
Trends	24 - 120 h
Medical alerts for all parameters	

ECG MODULE

Leads	I, II, III, aVR, aVL, aVF, Vn
CMRR ratio	> 100 dB
Sensitivity	2.5 - 40 mm/mV
Heart rate range	15 - 300 bpm
QRS complex detection	
Protection against:	
- defibrillation impulse	
- high frequency disturbance	
Pacemaker detection and signaling	

ST MODULE

ST level	+/- 1mV
Possibility of changing measurement points' location	
Results displayed as numerical values and trends	

RESPIRATION MODULE

Respiration rate	0 - 150 rpm
Measurement method	rheographic (impedance)
Apnea recognition time	5 - 60 s
Possibility of lead selection	
Respiration waveform displayed	

NIBP MODULE

Measurement range of transducer	10 - 300 mmHg
Measurement mode	manual, auto or STAT
Auto-mode repetition time	1 - 480 min
Cuff inflation	automatic (air pump)
Measurement method	oscillometric
Overpressure safety limits	> 300 mmHg adults > 150 mmHg neonates

SpO2 MODULE Nellcor OxiMax™

Measurement range	0 - 100%
Accuracy 70% – 100%	2 digits
Pulse rate	20 - 300 bpm
Acoustic signaling of saturation	
Plethysmographic wave displayed	

IBP MODULE

Measurement range	-50 to +320 mmHg
Accuracy	± 1 mmHg
Input sensitivity	5 µV/V/mmHg
Number of channels	1, 2, 3 or 4
Pressure waveform displayed	

TEMPERATURE MODULE

Measurement range	0 - 50.0 °C
Resolution	0.1 °C
Number of channels	1 or 2

CO2 MODULE

Measurement range	0 - 100 mmHg
Respiration rate	0 - 100 rpm (other options available)
Apnea recognition time	5 - 60 s
CO2 waveform displayed	

MULTI GAS MODULE

CO2	0 - 100 mmHg
N2O	0 - 100%
O2	0 - 100%
Halothane	0 - 5.0%
Isoflurane	0 - 5.0%
Enflurane	0 - 5.0%
Sevoflurane	0 - 8.0%
Desflurane	0 - 18.0%

COOPERATION WITH CENTRAL STATION

Colour display	LCD TFT 19", 24"
Number of monitored patients	from 1 to 32 patients or more
View mode:	
Full view	all patients
Selective view	4, 8 patients or other
Selective single view	1 patient (copy of bedside monitor screen)
Data archiving	full disclosure
Trends	24 - 120 h
Printout	real time and from archive
Transmission type	Ethernet

ADDITIONAL OPTIONS

Cardiac output module – invasive or non-invasive method
Intracranial pressure module
12-lead ECG module
Transport module
Telemetry
Depth of anaesthesia
Advanced arrhythmia analysis
Drug calculator
Hemodynamic calculations
Oxycardiorespirogram
Nurse call
6 channel thermal printer
Full disclosure archive
Alarms archive
Transfer of patient data to PC
And many others

European Funds Smart Growth
Polska
European Union European Regional Development Fund

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