

Modular Patient Monitor

FX 3000MD



A multi-parameter, modular patient monitor is made to be used in situations where the highest accuracy and configuration flexibility of monitored parameters are required. The modules can be easily transferred between monitors without switching them off. The measurement sensors can be connected to both sides of the monitor.

Due to the touch screen, which comes in three sizes: (15", 17" or 19") the device is comfortable and simple to use. It can be also operated by a knob.

The FX 3000MD modular patient monitor is mainly used in anesthesiology, cardiology and intensive care wards as well as in operating rooms.



**European quality,
worldwide recognition**

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

• Emtel worldwide

Technical parameters **FX 3000MD**

CE 2274

GENERAL

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, 6, 12.5, 25 and 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 mm Hg
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 mm Hg adults > 150 mm Hg neonates

SpO₂ MODULE Nellcor OxiMax™

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

IBP MODULE

Measurement range	-50 to +320 mm Hg
Accuracy	± 1 mm Hg
Input sensitivity	5 µV/mm Hg
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 mm Hg
Respiration rate	0 - 150 rpm
Apnea recognition time	5 - 60 s
CO ₂ waveform displayed	

MULTI GAS MODULE

CO ₂	0 - 100 mm Hg
N ₂ O	0 - 100%
O ₂	0 - 100%
Halothane	0 - 5.0%
Isoflurane	0 - 5.0%
Enflurane	0 - 5.0%
Sevoflurane	0 - 8.0%
Desflurane	0 - 18.0%

CENTRAL STATION

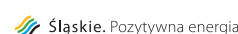
Colour display	LCD TFT 17", 19"
Number of monitored patients	from 1 to 32 patients
View mode:	
Full view	all patients
Selective view	4, 8 patients or other
Selective single view	1 patient (copy of bedside monitor screen)
Data archiving	full disclosure
Trends	24 - 120 h
Printout	real time and from archive
Transmission type	Ethernet

ADDITIONAL OPTIONS

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



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Project co-financed by the European Union from the European Regional Development Fund under the Regional Operational Programme within the framework for the Silesian Voivodeship for the years 2007-2013