

# MODULAR PATIENT MONITOR

## 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 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 $\pm 10\%$ 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 interferences	
Pacemaker detection and signaling	

### ST MODULE

ST level	$\pm 1$ mV
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 (option)

Measurement range	-50 to +320 mmHg
Accuracy	$\pm 1$ mmHg or $\pm 1\%$ (whichever is greater)
Input sensitivity	5 $\mu$ V/V/mmHg
Number of channels	1, 2, 3 or 4
Pressure waveform displayed	

### TEMPERATURE MODULE (option)

Measurement range	0 - 50.0 °C
Resolution	0.1 °C
Number of channels	1, 2, 3 or 4

### CO2 MODULE (option)

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 (option)

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 16 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 (wireless option)

### 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  
Oxycardiogram  
Nurse call  
6 channel thermal printer  
Full disclosure archive  
Alarms archive  
Transfer of patient data to PC  
And many others

