M50
Patient Monitor
Mounting Solutions

Wall Mount   Rolling Stand

M50
Patient Monitor

reddot design award
winner 2011

Specification

Physical Specification

Device Dimension:	260 mm (L) x 140 mm (W) x 205 mm (H)
Weight:	Standard Configuration 3.6 kg (with battery)

Display

Color TFT LCD:	8.4" (Touch Screen Optional)
Resolution:	800 x 600
Traces Displayed:	Up to 8
Waveforms Displayed:	Up to 11
Sweep Speed:	6.25, 12.5, 25, 50 mm/s

ECG

Lead Type:	5-lead and 3-lead selectable
Gain:	Auto, x 0.125, x 0.25, x 0.5, x 1, x 2
Sweep Speed:	6.25, 12.5, 25, 50 mm/s
ECG HR Range:	
Adult:	15~300 bpm
Pediatric /Neonate:	15~350 bpm
Resolution:	1 bpm
Accuracy:	±1 bpm or ±1% (whichever is greater)
Filter:	
Diagnostic Mode:	0.05~150 Hz
Monitoring Mode:	0.5~40 Hz
Surgical Mode:	1~20 Hz
ST-Segment Detection:	
Measurement Range:	-2.0 mV~2.0 mV
Alarm Range:	-2.0 mV~2.0 mV

RESP

Method:	Trans-thoracic impedance
Operation Mode:	Auto/Manual
RR Measurement Range:	
Adult:	0~120 rpm
Neonate/Pediatric:	0~150 rpm
Resolution:	1 rpm
Alarm:	3 levels of audible and visual alarm
Apnea Alarm Threshold:	
	10, 15, 20, 25, 30, 35, 40 s
Band Width:	0.2-2.5 Hz (-3 dB)
Sweep Speed:	6.25, 12.5, 25, 50 mm/s

SpO2

Measurement & Alarm Range:	
	0~100% (EDAN SpO2)
Resolution:	1%;
Accuracy:	
	±2% (70~100%, Adult/Pediatric)
	±3% (70~100%, Neonate)
PR Measurement and Alarm Range:	
	25~300 bpm
Resoluton:	1 bpm
Refresh Rate:	1 s

NIBP

Method: Automatic Oscillometric	
Operation Modes: Manual/Automatic/Continuous	
Auto Measurement Time Interval:	
1, 2, 3, 4, 5, 10, 15, 30, 60, 90, 120, 240, 480 minutes	
Measurement Unit: mmHg/kPa	
Measurement Types: Systolic, Diastolic, Mean	
Pressure Range:	
Adults:	
Systolic:	40~270 mmHg
Diastolic:	10~215 mmHg
Mean:	20~235 mmHg
Pediatrics:	
Systolic:	40~200 mmHg
Diastolic:	10~150 mmHg
Mean:	20~165 mmHg
Neonates:	
Systolic:	40~135 mmHg
Diastolic:	10~100 mmHg
Mean:	20~110 mmHg
Resolution: 1 mmHg	
Accuracy:	
Max Mean Error:	±5 mmHg
Max Standard Deviation: 8 mmHg	
PR from NIBP Measurement Range: 40~240 bpm	
Resolution:	1 bpm
SP10:2002	

Nellcor OxiMax™ SpO2 (Optional)

Measurement & Alarm Range: 1-100%	
Resolution:	1%
PR Measurement and Alarm Range: 20-300 bpm	
Resoluton:	1 bpm
Refresh Rate:	1 s

IBP (2 Channels, optional)

Measurement Pressure:	ART, PA, CVP, RAP, LAP, ICP, P1,P2
Measurement Range:	-50~300 mmHg
Resolution:	1 mmHg
Accuracy:	±2% or ±1 mmHg
	(whichever is greater, without probe)
Sensitivity:	5 μV/V/mmHg
Impedance Range:	300~3000 Ω

Philips Respironics CO2 (Optional)

Type:	Sidestream/Mainstream	
Range:	0~150 mmHg	
Accuracy:	±2 mmHg	0~40 mmHg,
	±5%	41~70 mmHg
	±8%	71~100 mmHg
	±10%	101~150 mmHg
AwRR Accuracy:	±1 rpm	

Temperature (2 Channels, 1 probe by default)

Measurement /Alarm Range:	0~50 ℃ (32-122 °F)
Resolution:	0.1 ℃
Accuracy:	±0.1 ℃ (without probe)
Channel:	Dual-channel. Provide T1; T2; ΔT

Thermal Recorder (Optional)

Print Speed:	25, 50 mm/s

Power Supply

AC Power:	100~240 V AC, 50/60 HZ
Battery:	14.8 V Rechargeable Li-ion Battery

Transport   ICU   Emergency

Care for Health

LAN WiFi

Rechargeable Li-ion Battery
(up to 7 hours)

Carrying Bag   Anti-collision

EDANUSA M50

120/80(100)

Protable Design
(3.6kg)

Bed Rail Hook

M50
Portable Patient Monitor with Easy Remote Access

Representing a new generation of patient monitors by EDAN, the M50 brings you excellent transportation experience which you might never have had before. Its portable design and outstanding features which are specially optimized for in-hospital transportation/emergency care bring uninterrupted care to the patients during either transportation or hospitalization.

- 8.4" color TFT-LCD screen with maximum 11 waveforms
- Touch & Configure: Intuitive operation by clicking on specific parameter or waveform to configure
- Pacemaker detection
- Electrosurgical interference proof
- Defibrillation protection and defibrillation synchronization
- Pitch tone (Pulse-tone modulation)
- Unique iSEAP algorithm which is specially optimized for arrhythmia patients
- Dual-mode anti-interference pulse oximetry
- Clinically validated NIBP
- Nurse call function
- VGA output
- HL7 support via XML files
- Suitable for adult, pediatric and neonatal patients

Standard Parameters: 3/5-lead ECG, RESP, EDAN SpO2, NIBP, PR, 2-TEMP

Optional: Nellcor OxiMax™ SpO2, 2-IBP, Respironics CO2, Touchscreen, Thermal Recorder, WLAN Accessory Kit

1200	120 h	60	120 s
NIBP Measurement Review	Trend Review	Alarm Review	Frozen Waveform

> Respironics CO2 (Mainstream/Sidestream, optional) for Intubated/Non-intubated Patients
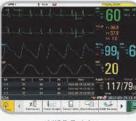
LoFlo™   CAPNOSTAT® 5

- Proven ruggedness-Solid state design
- Suitable for neonatal patients
- No need to calibrate on a regular basis
- Sidestream sampling rate of 50 ml/min

> Display Modes

Multi-waveform   Large Font   NIBP Table   OxyCRG for Neonate

In-Hospital Transportation

Not only does the M50 communicate with the HIS server via HL7 protocol, it also talks with EDAN MFM-CMS software via wired LAN/Wi-Fi. You may remotely monitor the status of every patient wherever in the hospital with the help of the M50.

MFM-CMS   Web Viewer