M80
Patient Monitor

Mounting Solutions

Wall Mount

Rolling Stand

Specification

Physical Specification
Device Dimension: 370 mm (L) x 175 mm (W) x 320 mm (H)
Weight: Standard Configuration 7 kg (with 1 battery)

Display
Color TFT LCD: 15" (Touch Screen Optional)
Resolution: 1024 x 768
Traces Displayed: Up to 8
Waveforms Displayed: Up to 13
Sweep Speed: 6.25, 12.5, 25, 50 mm/s

Thermal Recorder (Optional)
Print Speed: 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
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

SpO_2
Measurement & Alarm Range:
0~100% (EDAN SpO_2)
Resolution: 1%;
Accuracy:
±2% (70~100%, Adult/Pediatric)
±3% (70~100%, Neonate)
PR Measurement and Alarm Range: 25~300 bpm
Resoluton: 1 bpm
Accuracy: ±2 bpm
Refresh Rate: 1 s

Nellcor OxiMax™ SpO_2 (Optional)
Measurement & Alarm Range: 1-100%
Resolution: 1%
PR Measurement and Alarm Range: 20-300 bpm
Resoluton: 1 bpm
Accuracy: ±3 bpm (depends on probe)
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
Accuracy: 3 bpm or 3.5% (whichever is greater)
SP10:2002

Omron® M3600 NIBP (Optional)
Measurement Ranges
Adult/ Pediatric:
Pulse Rate: 40-200 bpm
Systolic Pressure: 60-250 mmHg
Diastolic Pressure: 40-200 mmHg
Mean Arterial Pressure: 45-235 mmHg
Neonate:
Pulse Rate: 40-240 bpm
Systolic Pressure: 40-120 mmHg
Diastolic Pressure: 20-90 mmHg
Mean Arterial Pressure: 30-100 mmHg
Measurement Accuracy
Pulse Rate: ±2 bpm or 2% (whichever is greater)
SP10:2002

IBP (2/ 4 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

C.O. (Optional)
Method: Thermodilution
Measuring Range:
CO: 0.1 L/min~20 L/min
TB: 23 ℃~43 ℃
TI: -1 ℃~27 ℃
Alarm Range: 23 ℃~43 ℃

Philips Respironics CO_2 (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

PHASEIN Anesthetic GAS/O_2 (Optional)
Technology: Infrared absorption characteristic
Paramagnetic Oxygen: Optional
Gas: CO_2, O_2, N_2O, Des, Iso, Enf, Hal, Sev
Warm-up Time:
(IRMA AX+) Iso accuracy mode: 45 s
Full accuracy mode: 60 s
(ISA OR+/AX+) < 20 s
Sample Flow Rate (for ISA OR+/ AX+): 50 ± 10 ml/min

Temperature (2 Channels, 1 probe by default)
Measurement/ Alarm Range: 0 ~ 50 ℃ (3 -122 °F)
Resolution: 0.1 ℃
Accuracy: ±0.1 ℃ (without probe)
Channel: Dual-channel. Provide T1; T2; ΔT

Power Supply
AC Power: 100~240 V AC, 50/60 Hz
Battery: 14.8 V Rechargeable Li-ion Battery x 2

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TÜV SÜD CE 0123
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EDANUSA
www.edanusa.com

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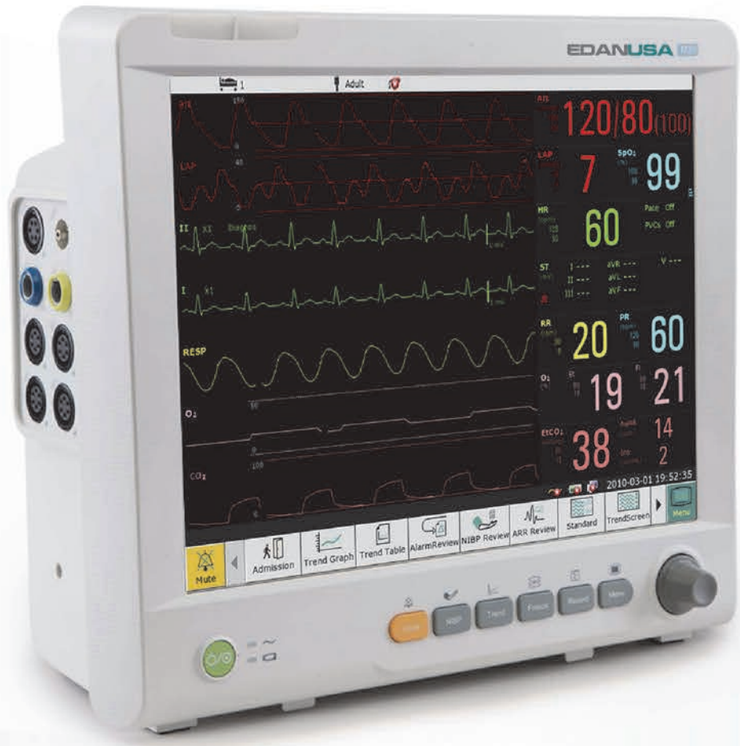
Patient Monitor

product design award 2012



OR ICU CCU

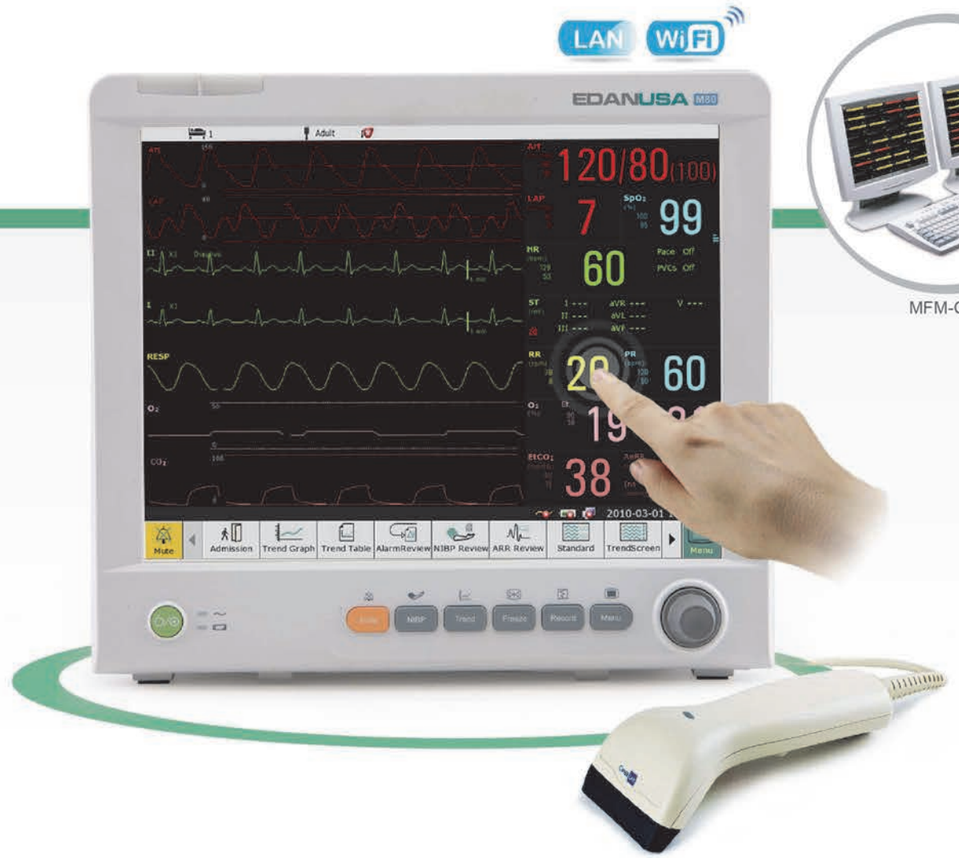
Care for Health

EDANUSA
www.edanusa.com

M80

High-acuity Patient Monitor

The M80 dedicates to high-accuracy and user-friendly healthcare solutions specially for high-acuity divisions. With the latest medical and information technologies, the M80 brings not only top-quality healthcare but also easy access to it.



- 15" color TFT-LCD screen with maximum 13 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
- Omron® M3600 NIBP with Smart Inflation™ technology for comfortable measurement experience (optional)
- Nurse call function
- VGA output
- HL7 support via XML files
- 2 x Rechargeable batteries
- Suitable for adult, pediatric and neonatal patients

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

A Full Set of Flexible Configurations

The M80 employs various leading technologies from EDAN and other industry leaders. Its different parameter combinations can fulfill your different needs no matter it's for cardiac patients or during surgeries.

Standard configuration: 3/5-lead ECG, RESP, EDAN SpO_2, EDAN NIBP, PR, 2-TEMP

Optional: 12-lead ECG, Nellcor OxiMax™ SpO_2,Omron® M3600 NIBP, 2-IBP/ 4-IBP, Respironics CO_2 C.O., PHASEIN Anesthetic Gas/O_2, Full Touch Screen, Thermal Recorder, WLAN Accessory.

PHASEIN Anesthetic Gas/O_2 (Optional)

Mainstream (IRMA AX+)
- Extremely Compact design(25 g)

Sidestream (ISA AX+ / ISA OR+)
- Unique water handling technology with the longest lifetime
- Low sample flow 50 ml/min for all types of patients

Paramagnetic Oxygen (for ISA OR+)

12-lead ECG (Optional)

- Continuous 12-lead ECG waveform display, ST Segment analysis and alarm
- 208 kinds of analysis results, up to 16 kinds of arrhythmias, 50 sets of 12-lead analysis result review, 10s of 12-lead waveform to review and print out
- Unique SEMIP interpretation tested by CSE & AHA database

Respironics CO_2 (Mainstream/Sidestream, optional) for Intubated/Non-intubated Patients

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