

# M80 Patient Monitor

## Mounting Solutions

### 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

#### 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  
 Resolution: 1 bpm  
 Accuracy: ±2 bpm  
 Refresh Rate: 1 s

#### Nellcor OxiMax™ SpO2 (Optional)

Measurement & Alarm Range: 1-100%  
 Resolution: 1%  
 PR Measurement and Alarm Range: 20-300 bpm  
 Resolution: 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/mmHg  
 Impedance Range: 300-3000 Ω

#### C.O. (Optional)

Method: Thermodilution  
 Measuring Range:  
 CO: 0.1 L/min-20 L/min  
 TB: 23 C-43 C  
 TI: -1 C-27 C  
 Alarm Range: 23 C-43 C

#### 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  
 AwRRR Accuracy: ±1 rpm

#### PHASEIN Anesthetic GAS/O2 (Optional)

Technology: Infrared absorption characteristic  
 Paramagnetic Oxygen: Optional  
 Gas: CO2, O2, N2O, 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 °C (3-122 °F)  
 Resolution: 0.1 °C  
 Accuracy: ±0.1 °C (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

#### Ordering Information

M80 3/5 Lead ECG, NIBP, Edan SpO2, 2-TEMP, PR  
 Including standard accessories:  
 3/5-Lead ECG cable, Edan Adult SpO2 sensor, Adult Cuff, NIBP Hose, 1 Skin temperature probe, Power cord, Adult disposable ECG electrode (30/pk), Rechargeable Li-ion battery, User manual  
 M80P 3/5 Lead ECG, NIBP, Edan SpO2, 2-TEMP, PR, Printer  
 M80PTCH 3/5 Lead ECG, NIBP, Edan SpO2, 2-TEMP, PR, Printer, Touch Screen  
 M80PCO 3/5 Lead ECG, NIBP, Edan SpO2, 2-TEMP, PR, Sidestream Co2(Respironics) w/accessories, Printer  
 M80PCOTCH 3/5 Lead ECG, NIBP, Edan SpO2, 2-TEMP, PR, Sidestream Co2(Respironics) w/accessories, Printer, Touch Screen  
 M80PTCHGO 3/5 Lead ECG, NIBP, Edan SpO2, 2-TEMP, PR Multigas/O2 module w/ Auto agent ID (Phase-in) Printer, Touch Screen  
 M80N 3/5 Lead ECG, NIBP, Nellcor OxiMax™ SpO2 (with DS-100A adult sensor) 2-TEMP, PR  
 M80NP 3/5 Lead ECG, NIBP, Nellcor OxiMax™ SpO2, 2-TEMP, PR, Printer  
 M80NPCO 3/5 Lead ECG, NIBP, Nellcor OxiMax™ SpO2, 2-TEMP, PR, Sidestream Co2(Respironics) w/ Co2 Accessories, Printer  
 M80NPTCH 3/5 Lead ECG, NIBP, Nellcor OxiMax™ SpO2, 2-TEMP, PR, Printer, Touch Screen  
 M80NPTCHCO 3/5 Lead ECG, NIBP, Nellcor OxiMax™ SpO2, 2-TEMP, PR, Sidestream Co2 (Respironics) w/ Co2 accessories, Printer Touch Screen  
 M80NPTCHGO 3/5 Lead ECG, NIBP, Nellcor OxiMax™ SpO2, 2-TEMP, PR, Multigas/O2 module w/Auto agent ID (Phase-in) Printer, Touch Screen  
 0204240394 Reapironics CAPNOSTAT 5 Mainstream Co2 module with accessories kit (factory installed)  
**NIBP OMRON (Factory installed option)**  
 M3600 Upgrade EDAN to Omron M3600 NIBP module w/NIBP hose for Cuff size 1-4 1-Adult/pediatric Cuff No.3  
**IBP Module (Factory installed option)**  
 12033386401 2-channel IBP module (to expand to 4-channel) w/ Accessories, 1-set pressure transducer interface cable, 1-disposable pressure transducer kit

# EDAN



Wall Mount



Rolling Stand



**EDAN**  
 Edan Instruments, Inc.



**Solic Medical Equipment**

Ph. 416-740-8885-Fax, 416-740-1883  
 For Inquiries: sales@solicmedical.com



Care for Health