




EDAN



iM8 Series Patient Monitor

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Ingress Protection IPX1
(Protected against vertically falling water drops)
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Thermal Recorder
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No-fan Design
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Pitch Tone
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500 NIBP Measurement Review	96 h Trend Review	60 Alarm Review	720 s Frozen Waveform
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- High resolution color TFT-LCD screen
- Pacemaker detection
- Defibrillation and electrosurgical interference protection
- 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(optional)
- Suitable for adult, pediatric and neonatal patients

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

Optional: 2-IBP, Respironics CO₂, EDAN CO₂, Thermal Recorder, WLAN Accessory Kit



Care for Health

iM8B Patient Monitor

Mounting Solutions



Wall Mount



Rolling Stand

Specification

Physical Specification

Device Dimension: 320 mm (L) x 150 mm (W) x 265 mm (H)
 Weight: Standard Configuration 4.2 kg (with battery)
 Noise: Less than 55 dB (Due to fanless design)
 Heat Disbursement: Advanced technology of thermal resistance

Display

Color TFT LCD: 10.1" (M8B)
 Resolution: 800 x 480 (M8B)
 Traces Displayed: Up to 8
 Waveforms Displayed: Up to 13
 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, x 4
 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 $\pm 1\%$ (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: $\pm 2\%$ (70~100%, Adult/Pediatric)
 $\pm 3\%$ (70~100%, Neonate)
 PR Measurement and Alarm Range:
 25~300 bpm
 Resolution: 1 bpm
 Accuracy: 3 bpm
 Refresh Rate: 1 second

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% (whichever is greater)
 SP10:2002

IBP (2 Channels, optional)

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

Philips Respironics CO₂ (Optional)

Type: Sidestream/Mainstream
 Range: 0~150 mmHg
 Accuracy: $\pm 2\%$ 0~40 mmHg,
 $\pm 5\%$ 41~70 mmHg
 $\pm 8\%$ 71~100 mmHg
 $\pm 10\%$ 101~150 mmHg
 AwRR Accuracy: ± 1 rpm
 Works on LoFlo Technology at Low Sample Flow Rate (50 ml/minute)

CO₂ (By EDAN Instruments, optional) Sidestream

Range: 0~13% (0-100 mmHg)
 Accuracy: ± 2 mmHg <5.0% CO₂
 <6% of the reading >5.0% CO₂
 AwRR Accuracy: 1% or ± 1 rpm
 Sample Flow Rate: 100~200 ml/min

Temperature (2 Channels, 1 probe by default)

Measurement/Alarm Range:
 0~50 $^{\circ}$ C (32-122 $^{\circ}$ F)
 Probe Type: YSI (B Series) and CF-FI
 Resolution: 0.1 $^{\circ}$ C
 Accuracy: ± 0.1 $^{\circ}$ C (without probe)
 Channel: Dual-channel. Provide T1; T2; Δ T

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
 Battery Working: 3 hrs
 Battery rechargeable Time: 3-5 hrs

EDAN Edan Instruments, Inc.

- No.15 Jinhui Rd., Jinsha Community, Kangzi Subdistrict, Pingshan District, Shenzhen, 518122, P. R. China
- Tel: +86-755-26898326 • Fax: +86-755-26898330 • www.edan.com.cn • Email: info@edan.com.cn

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