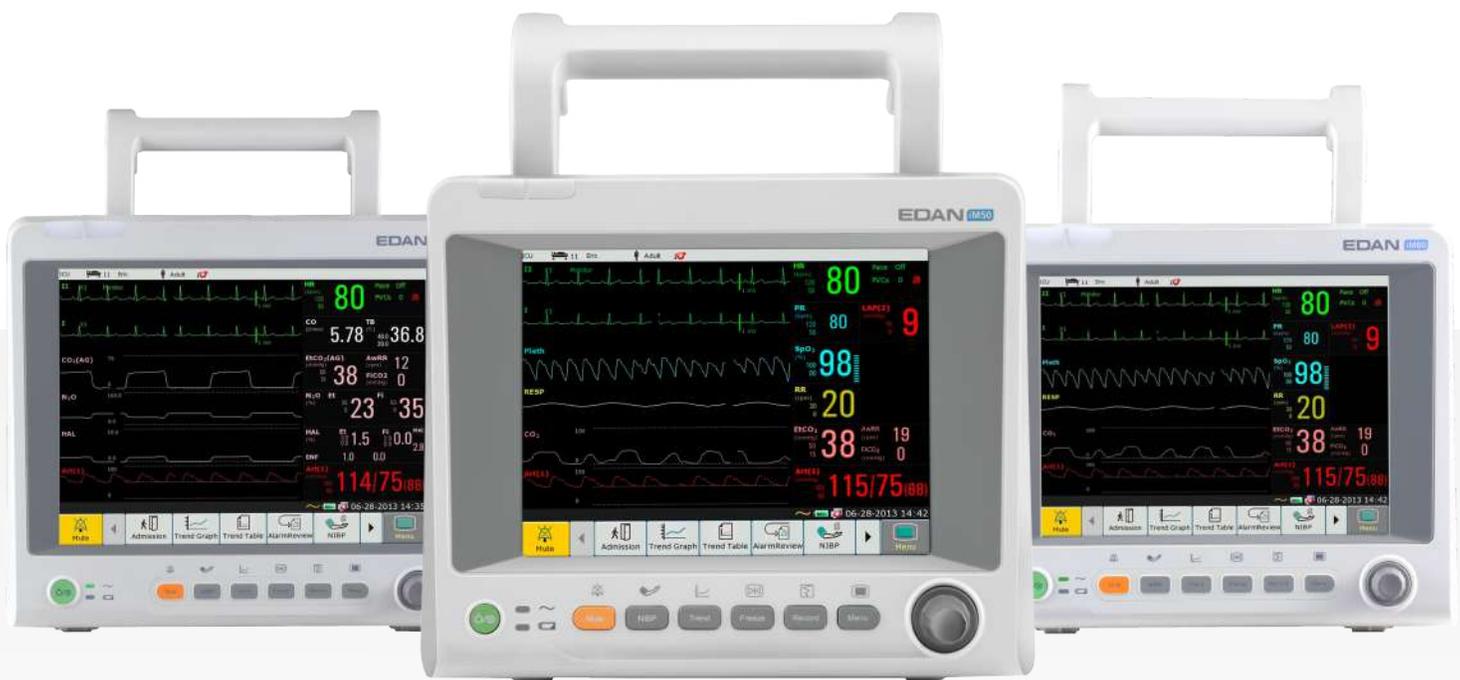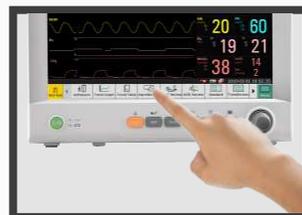# EDANUSA by MDPRO

iM SERIES

iM50, iM60, iM70, & iM80 Patient Monitors

Central Monitoring System Supportive

Inuitive Shortcut Menu

Multiple Display Modes

The iM series offers a comprehensive array of parameters, spanning from invasive blood pressure to cardiac output, and from capnography to anesthesia gas. This versatility allows it to meet the diverse clinical needs across various settings, ranging from general wards to cardiac units, and from intensive care units to operating theaters.

Additionally, the iM series features multiple gas modules such as the Edan G2 CO2, Respironics CO2, and five agent gas modules, further enhancing its capabilities.

Features:

- Customizable alarms & shortcut menus
- Multiple mounting options such as bedrail hooks, wall mount, or rolling stand for increased mobility
- Arrhythmia, S-T Analysis, OxyCRG, & Large Font Display
- 120 Seconds full-disclosure waveforms review
- 120 Hour graphic and tabular trends of all parameters
- **iSEAP™ ECG:** Optimized for arrhythmia detection, pacemaker detection, & HR measurement
- **iMAT™ SpO2:** Outstanding motion resistance & low perfusion resistance performance
- **iCUFS™ NIBP:** Optimized for cardiac patients, hypertensive patients, & neonatal patients

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

What's the Difference?

iM50 Patient Monitor – 8.4" Screen
- ✓ Optional CO2
- ✓ Optional Touch Screen
- ✓ Dual IBP Slots
- ✓ Optional WiFi
- ✗ Optional Multi-Gas
- ✗ Optional Cardiac Output

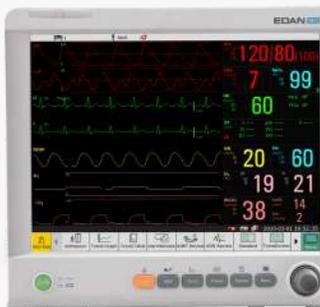## iM60 Patient Monitor – 10.4" Screen
- ✓ Optional CO2
- ✓ Optional Touch Screen
- ✓ Dual IBP Slots
- ✓ Built-in WiFi
- ✗ Optional Multi-Gas
- ✗ Optional Cardiac Output

iM70 Patient Monitor – 12" Screen
- ✓ Optional CO2
- ✓ Optional Touch Screen
- ✓ Dual IBP Slots
- ✓ Built-in WiFi
- ✓ Optional Multi-Gas
- ✓ Optional Cardiac Output
- ✓ Optional 12-Lead ECG

iM80 Patient Monitor – 15" Screen
- ✓ Optional CO2
- ✓ Optional Touch Screen
- ✓ Dual IBP Slots
- ✗ Optional WiFi
- ✓ Optional Multi-Gas
- ✓ Optional Cardiac Output
- ✓ Optional 12-Lead ECG

No-fan
Design

Night
Mode

Pitch
Tone

Thermal
Recorder

Shortcut
Menu

End Tidal Carbon Dioxide Monitoring

EDAN G2 CO2 (Sidestream)
Superior water trap design for accurate monitoring
iCARB™ algorithm with Intelligent CO2 pseudo wave
identification technology

Respironics CO2 (Mainstream/Sidestream)
Plug & play module design
Utilizes sampling lines with dehumidification tubing
Low sampling rate of 50ml/min

Multigas Module (iM80)

Dräger Anesthetic Gas/O2 (Sidestream)
Built-in sidestream module with optional paramagnetic O2
Single channel module or dual channel module with AAID
Utilizes disposable Dräger water traps

5 Anesthetic Agents:
Halothane (HAL), Isoflurane (ISO), Enflurane (ENF),
Sevoflurane (SEV), Desflurane (DES)

Included Accessories

- Skin Temperature Probe — *01.15.040187*
- EDAN Adult Reusable SpO2 Sensor — *SH1.Lemo*
- Adult Cuff (25cm-35cm) — *Cuff.E9*
- NIBP Tube (3m) with connector — *01.59.036118-11*
- 3-lead ECG integrative Cable with Lead wires, Snap (AHA) — *01.57.471095-10*
- Rechargeable Lithium-Ion Battery (14.8V, 4200mAh) — *01.21.064143*
- Power Cord — *01.13.036106*

G2 ACCESSORIES
- Edan Dewatering Cups for G2 CO2 — *02.01.210520*
- ETCO2 Sampling Cannulas, Adult cannula with 7' CO2 line. Male Luer-Lock Connector — *4000-7-25*
- ETCO 2 Sampling Lines 10' (Male to Female) — *4410-10-25*

Optional Accessories

SPO2 SENSORS & CABLE
- Adult Hard-Shell SpO2 Finger Sensor (DB9) — *SH1.DB9*
- Silicone Wrap SpO2 Finger Sensor (DB9) — *SH3.DB9*
- Adult "Hood" Soft-tip SpO2 Finger Sensor (DB9) — *SH4.DB9*
- Adult/Pediatric Ear Clip SpO2 Sensor (DB9) — *SH6.DB9*
- Extension Cable (2m, lemo to DB9) — *01.13.210001-13*

CUFFS
- NIBP Cuff, Infant, 10-15cm, reusable — *Cuff.E5*
- NIBP Cuff, Small Child, 13-17cm, reusable — *Cuff.E6*
- NIBP Cuff, Child, 16-21cm, reusable — *Cuff.E7*
- NIBP Cuff, Small Adult, 20.5-28cm, reusable — *Cuff.E8*
- NIBP Cuff, Adult, 27cm-35cm, reusable — *Cuff.E9*
- NIBP Cuff, Large Adult, 34cm-43cm, reusable — *Cuff.E10*
- NIBP Thigh Cuff, Adult, 42cm-54cm, reusable — *Cuff.E11*

NIBP TUBING
- NIBP Tube (3m) with connector — *01.59.036118-11*

ROLLING STAND
- iM50 — *MT-207_plate_im50*
- iM60 — *MT-207_plate_im60*
- iM70 — *MT-207_plate_im70*
- iM80 — *MT-207_plate_im80*

WALL MOUNT
- *IM.WM*

PAPER (Sold in Packs of 20)
- *01.57.78035*

Specifications

PHYSICAL SPECIFICATION
iM50:
    261 mm (L) × 198 mm (W) × 215 mm (H)
    Weight: <3.6 kg
iM60:
    303mm(L) × 161mm(W) × 254mm(H)
    Weight: <5 kg
iM70:
    328mm(L) × 158mm(W) × 285mm(H)
    Weight: <5.5 kg
iM80:
    370 mm (L) × 175 mm (W)× 320 mm (H)   Weight: <7 kg

DISPLAY
iM50:
    Color TFT LCD: 8.4"
    Resolution: 800x600
    Waveforms Displayed: Up to 11
iM60:
    Color TFT LCD: 10.4"
    Resolution: 800x600
    Waveforms Displayed: Up to 11
iM70:
    Color TFT LCD: 12.1"
    Resolution: 800x600
    Waveforms Displayed: Up to 11
iM80:
    Color TFT LCD: 15"
    Resolution: 800x600
    Waveforms Displayed: Up to 13

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 +1%
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% (Sp02)
Resolution: 1%;
Accuracy: +2% (70~100%,
Adult/ Pediatric) +3% (70~100%,
Neonate)
PR Measurement:
Resolution: 25-300 bpm
1 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: 40~200 mmHg
    Diastolic: 10~160 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%
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: +2% or +1 mmHg (whichever is greater, without probe)
Sensitivity: 5µV/V/mmHg
Impedance Range: 300-3000Ω

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

CO2 SIDESTREAM
Range: 0~13% (0-100 mmHg)
Accuracy: +2 mmHg < 5.0% C02 <6% of the reading >5.0% C02
Sample Flow Rate: 100~200 ml/min

TEMP (2 Channels)
Measurement/Alarm Range:
Resolution: 0~50 oC (32-122 oF)
Accuracy: 0.1 oC
Channel: +01 oC (without probe)
Dual-channel. Provide T1; T2; ∆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