**Technical Specifications** iMEC6 / iMEC7 0 to 50°C (32 to 122 F) Monitor size 360mm v273 mm v 122mm Range : Resolution: 3.2kg, Standard parameters configuration, including a Weiaht: lithium battery and a recorder; Accuracy: ±0.1°C or ±0.2 F (without probe) T1, T2 and TD 3.6kg, standard and optional parameters configuration. Parameters including touchscreen, a lithium battery and a recorder up to 2 channels iMEC5 Channel: 268mm x210 mm x 114mm -50 to 300 mmHg Monitor size: Range: 2.6kg, Standard parameters configuration, including a Resolution 1 mmHg ±2% or ±1 mmHg, whichever is greater (without sensor) Weight: lithium battery and a recorder: Accuracy: 2.9kg, standard and optional parameters configuration, including touchscreen, a lithium battery and a recorder Impedance range 300 to 30000 (Not an option for iMEC5) C.O. iMEC 7: 12.1" color LCD Method: C.O.: 0.1 to 20 L/min iMEC 6: 10.4" color LCD Range iMEC 5: 8.4" color LCD Resolution: 800 x 600 pixels TI:0 to 27°C C.O.: ±5% or ±0.1 L /min, whichever is greater Accuracy Waveforms up to 8 1 display through VGA TB, TI: ±0.1°C (without sensor) External display: Resolution C.O.: 0.1 L/min ECG 3-lead: I, II, III, aVR, aVL, aVF, V x0.125, x0.25, x0.5, x1, x2, x4, Auto 5-lead: Sidestream CO. CO. Range Gain: 6.25 mm/s, 12.5 mm/s, 25 mm/s, 50 mm/s 0 to 40 mmHg: ±2 mmHg Accuracy Sweep speed: 41 to 76 mmHg: ±5% of the reading Bandwidth Diagnostic Mode: 0.05-150Hz Monitor Mode: 0.5-40Hz 77 to 99 mmHg : ±10% of the reading Surgical Mode: 1-20Hz Sample flowrate 70, 100 ml/mir ±15% or ±15 ml/min, whichever is greater. ST Mode: 0.05-40Hz Accuracy: Defib.protection: Withstand 5000V (360J)defibrillation Warm-up time ISO accuracy mode : 45 s ≤10 s Full accuracy mode: 10 min AWRR range: CMRR. Diagnostic Mode: ≥90dB AWRR precision Monitor Mode: ≥105dB When using neonatal watertrap and 2.5 m neonatal sampling line Response time: Surgical Mode: ≥105dB <4 s @ 100 ml/min ST Mode: ≥105dB <5 s @ 70 ml/min ST analysis: -2.0 to 2.0 mV When using adult watertrap and 2.5 m adult sampling line Arr analysis: <6 s @ 100 ml/min **Heart Rate** <7 s @ 70 ml/min Range: Adu: 15 to 300 bpm Apnea time: 10 s, 15 s, 20 s, 25 s, 30 s, 35 s, 40 s Ped: 15 to 350 bpm Microstream CO. Neo: 15 to 350 bpm CO<sub>2</sub> Range: Resolution: Accuracy 0 to 38 mmHg: ±2 mmHg ±1 bpm or ±1%, whichever is greater Accuracy: 39 to 99 mmHg: ±5% of reading +0.08% for every 1mmHg(above 38mmHg) Respiratio Sample flowrate: Range: Adu: 0 to 120 rpm Accuracy: -7.5/+15ml/min Ped/Neo: 0 to 150 rpm Initialization time 30 s (typical) Resolution 1 rpm 7 to 150 rpm: ±2 rpm or ±2%, whichever is greater awRR range: 0 to 150 rpm Accuracy: awRR precision: 0 to 70 rpm: ±1 rpm 0 to 6 rpm: 71 to 120 rpm: ±2 rpm I or II (default: lead II) Lead: 121 to 150 rpm: ±3 rpm 6.25 mm/s, 12.5 mm/s or 25 mm/s Sweep speed: Response time: 2.9 s (typical) Apnea time: 10 s, 15 s, 20 s, 25 s, 30 s, 35 s, 40 s Mindray/Nellcor Range: 0 to 100% Mainstream CO. CO, Range: 0 to 150 mmHg ±2% (70-100%, Adu/Ped, non-motion) Mindray accuracy: ±3% (70-100%, Neo, non-motion) 0 to 40 mmHg: ±2 mmHg 41 to 70 mmHg: ±5% of the reading ±3% (70-100%, motion) 71 to 100 mmHg: ±8% of the reading Unspecified (0-69%) Actual accuracy depends on probe. Refer to the operator's 101 to 150 mmHg: ±10% of the reading Nellcor accuracy: awRR range: 0 to 150 rpm Accuracy: Refreshing rate: Response time: <60 ms **Data Storage** Mindray SpO<sub>2</sub>: 20 to 254 bpm Nellcor SpO<sub>2</sub>: 20 to 300 bpm Trend data: 120 hrs (interval 1 min), 4 hrs (interval 5 sec), 1 hrs(interval 1 sec) 100 events and associated waveforms Alarm events: IBP Module: 25 to 350 bpm 100 Arr. events and associated waveforms NIBP Module: 40 to 240 bpm Accuracy Mindray SpO<sub>2</sub>: ±3 bpm (non-motion) Waveforms: Max. 48 hrs full disclosure waveforms(specific storage time ±5 bpm (motion) Nellcor SpO<sub>2</sub>: ±3 bpm (20-250 bpm) depends on the type and number of waveforms stored) Unspecified (251-300 bpm)

IBP Module: ±1bpm or ±1%, whichever is greater Battery Chargeable Lithium-lon Type: NIBP Module: ±3bpm or ±3%, whichever is greater Number: 11.1 VDC Voltage: Resolution: 2600 mAh (4500 mAh optional) Capacity: Refreshing rate: 2 hrs(2600 mAh) NIRP Run time 4 hrs(4500 mAh) Method Automatic Oscillometric 4.5 hrs maximum(2600 mAh) Manual, Auto, STAT Recharge time: Operation mode: 8 hrs maximum(4500 mAh) Parameters: Systolic Diastolic Mean Adu: 40 to 270 mmHg Systolic range 1 AC power connector Ped: 40 to 200 mmHg 1 RJ45 network connector Neo: 40 to 135 mmHa Diastolic range 1 USB 2.0 connector 1 VGA output connector Ped: 10 to 150 mmHa 1 multifunctional output connector (output ECG, IBP , nurse call and Defib. Synch. Signals) Neo: 10 to 100 mmHg

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Type: Speed:

Power Rec AC Voltage:

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Thermal array 25 mm/s, 50 mm/s

100 to 240 VAC, 50/60Hz 1.1 to 0.5 A

P/N:ENG-iMEC 5/6/7-210285X4P-20151028

E-mail: intl-market@mindray.com www.mindray.com Mindray is listed on the NYSE under the symbol "MR"

Adu: 20 to 230 mmHg Ped: 20 to 165 mmHq Neo: 20 to 110 mmHg

High-tech Industrial Park, Nanshan, Shenzhen 518057, P.R. China

Mindray Building, Keii 12th Road South.

Tel: +86 755 8188 8998 Fax: +86 755 26582680

Max mean error: +5 mmHg Max standard deviation: 8 mmHg

Mean range

Accuracy

Resolution

**(€**<sub>0123</sub>





**Patient Monitor** 





## **Exceptional Design and Cost-Effective Monitoring**



# **Reliable Technology for Improved Usability**

#### **Patient Care in One Touch**

Through its simple and intuitive touch screen display, iMEC offers instant access to all functions and allows you to monitor your patients in a quicker and more convenient way.

Customizable hot keys provide shortcuts to the most frequently used functions, saving you time for patient care.

#### **Quick and Easy Monitoring**

A compact and light weight design make iMEC easy to carry while optional bedrail mounting allows for convenient in-hospital transport.

An optional rolling stand provides iMEC with maximum mobility. Both rolling stand and wall mount feature simple mounting and quick release.

iMEC's user-friendly interface is intuitive and easy to use.

- Dynamic mini-trends provide up to 8 hours of useful information on your patient's status.
- Large font display offers a clear view of all vital signs and allows you to monitor your patient from a distance.
- "View other bed" helps you to monitor other patients directly at the bedside on the iMEC without accessing the central station.

Auto detectable 3 or 5 lead ECG and self-adjusting ECG, SpO<sub>2</sub> and IBP waveforms allow you to spend more time on patient care and less time on operating the monitor.

The centralized alarm system enables you to quickly review and modify alarm settings.

The logical review of alarms, events, trends and full-disclosure data helps you to quickly and accurately assess a patient's situation.

With LAN and Wi-Fi capability, your iMEC can communicate with the HyperVisor VI Central Monitoring System both from the bedside and during transport.

### **Optimized Structural Design – Simplifying Upgrades and Maintenance**

The iMEC is designed to simplify maintenance and make it easy to perform future upgrades.

Future software upgrades can be performed on one IMEC or multiple iMECs simultaneously through a standard RJ45 port.

The USB port allows you to transfer patient data to a PC and to copy your personalized user settings to different iMECs.

The maintenance-free Li-ion battery offers up to 4 hours continuous monitoring.



rolling stand for iMEC series patient monitor, part number 045-000670-00



