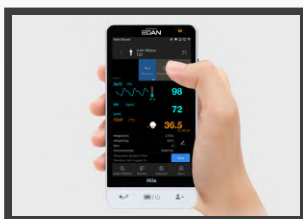
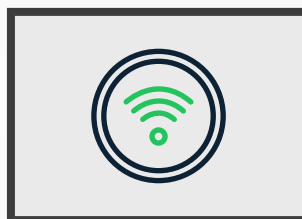


# iM3s

## Vital Signs Monitor



Boasts Portability  
Weighing > 1 lb



Built-in  
WiFi



5" HD  
Touch Screen

As the most compact vital signs monitor in its class, the iM3s boasts a distinctive pocket-size design, ensuring unparalleled portability for on-the-go spot checks or continuous monitoring. Despite its compact stature, it effortlessly incorporates all essential vital measurements, such as SpO2, NIBP, and optional temperature, offering complete monitoring functionality.

## Features:

- Internal data storage of over 20,000 readings
- Adult, neonate, and pediatric settings
- Shock resistance up to 1 meter
- IP44 water & dust proof
- AA batteries for 5-6 hours of scanning time
- Touchscreen gesture operation
- Integrates with Point Click Care with VitalsXChange
- Optional built-in barcode scanner
- Optional built-in infrared forehead temp



**Standard Parameters:** SpO2, NIBP

**Optional Parameters:** Temperature, Barcode Scanner

## Tabletop Expansion

When attached to an **optional tabletop dock**, the iM3s expands its abilities.

This unlocks a myriad of possibilities such as AC charging and optional thermal recording. Covidien and Exergen temperature options require tabletop charger stands.



# Adaptive Work Modes

## Round Mode

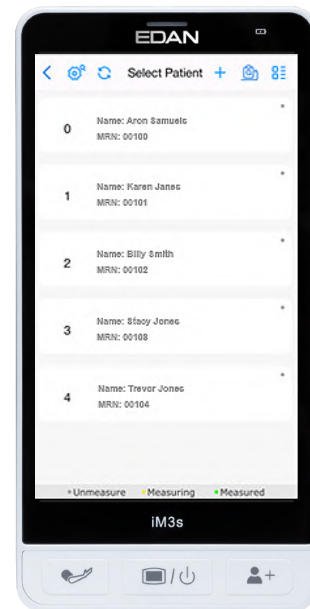
- Designed to make daily use more efficient
- Easily upload data through WiFi to your EMR
- Features color-coded list
- Preset and save resident names and room numbers
- Up to 1,000 names can be added at once

## Monitoring Mode

- Designed for continuous patient monitoring
- Real-time data, alarms, and trends

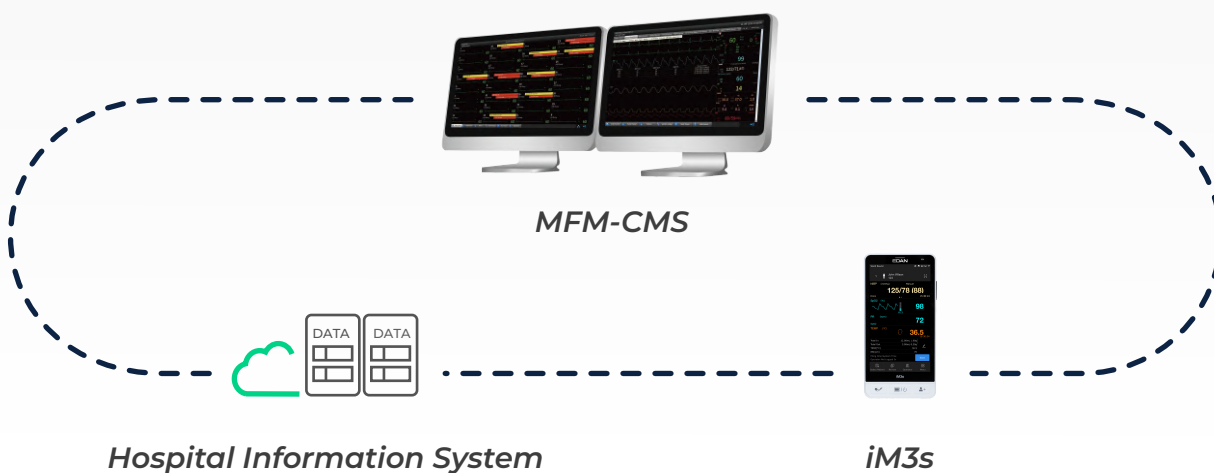
## Spot Mode

- Designed for spot-check applications
- Real-time vitals
- No alarm



# Robust Connectivity Features

The Wi-Fi capability allows the iM3s to connect to the MFM-CMS for centralized data management, or to communicate with HIS/EMR systems on a bi-directional basis.



## Configurations

### Standard – iM3s.NS

- SpO2, NIBP

### Optional – iM3s\_NST.E

- SpO2, NIBP, Exergen Temp,  
Includes CS-05 Charging Dock

### Optional – iM3s\_NST.I

- SPO2, NIBP, built in infrared temp

## Standard Accessories

- SPO2 Finger Sensor, Adult, 1m, reusable, DB9 — **02.57.225039**
- Adult NIBP Cuff (27cm-35cm) — **Cuff.E9**
- NIBP Tube — **01.57.471908**
- AA batteries

## Optional Accessories

- Rechargeable Lithium-ion Battery — **01.21.064086**
- Charger Stand with Rechargeable Battery, Simple — **CS-04**
- Charger Stand with Rechargeable Battery, Dual Power Bank — **CS-05**
- Wall Mount (with upper basket and plate) — **iM3s.WM**
- Rolling Stand with Mounting Plate — **MT-207\_plate\_im3s**
- Built-in Barcode Scanner — **01.48.099193**
- Protective Cover for Main Unit — **02.51.412666**

### 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**



**CS-05 Charger Stand  
Exergen Temp**



**CS-05 Charger Stand  
Covidien Temp**



**Adult NIBP  
Cuff**

# Specifications

## PHYSICAL SPECIFICATION

### Dimensions:

Monitor: (77±1)(W) × (150±1)(H) × (28±1)(D) mm  
CS-04 Charger Stand: (165±1)(L) × (113±1)(W) × (164±1)(H) mm  
CS-05 Extended Stand: (165±1)(L) × (113±1)(W) × (164±1)(H) mm

### Weight:

Monitor:  
<300g (standard, without battery and accessories)  
<350g (standard, with rechargeable battery, without accessories)  
<370g (standard configuration, with AA battery, without accessories)  
CS-04 Charger Stand: <900g  
CS-05 Extended Stand: <2,000g

## DISPLAY

Display screen: 5-inch color TFT LCD,  
Resolution: 720×1280

## POWER SUPPLY

### Power Supply:

CS-04 Charger Stand: 100 V to 240 V~, 50 Hz/60 Hz  
CS-05 Extended Stand: 100 V to 240 V~, 50 Hz/60 Hz

### Current:

CS-04 Charger Stand: 0.5 A-0.25 A  
CS-05 Extended Stand: 0.5 A-0.3 A

## MONITOR BATTERY

Battery Type: Rechargeable lithium-ion battery or 3 AA batteries  
Capacity: Lithium-ion battery ≥2700 mAh  
Operating Time:

Lithium-ion battery ≥12 hrs (Standby)  
Lithium-ion battery ≥8 hrs (Normal working status)  
AA battery ≥10 hrs (Standby)  
AA battery ≥6 hrs (Normal working status)

Fast Charging Time: <4 hrs, when the monitor is off  
Charging Time: ≤14 hrs, when the monitor is on or in standby mode

## CS-05 EXTENDED STAND BATTERY

Battery Type: Rechargeable lithium-ion battery  
Capacity: Lithium-ion battery ≥2400 mAh  
Operating Time:

≥20 hrs (without external modules used)  
≥8 hrs (with external modules used)

Fast Charging Time: <3.5 hrs, in OFF status, not connected with monitor

## WIFI

IEEE: 802.11a/b/g/n  
Bandwidth: 2.4 GHz & 5 GHz 20 MHz

## E-LINK (BLUETOOTH)

Radio Technology: BR, EDR, BLE  
Frequency Range: 2402 MHz ~ 2480 MHz  
Modulation: GFSK, π/4-DQPSK, 8-DPSK

## DATA STORAGEAGE

### Round Mode:

Minimum data (SpO2, NIBP, TEMP measurement data and custom parameters data), storage time, etc.  
20000 sets in internal storage

### Spot-checking mode:

Minimum 20000 sets of spot-checking data for multiple patients

## INTERFACES & OTHERS

USB Port: 2  
Built-in Barcode Scanner: Optional

## NIBP

Method: Oscillometric  
Mode: Manual, Continuous, Average  
Continuous: 5 min, interval is 5 s  
Measuring Type: SYS, DIA, MAP, PR  
Average measurement Interval:  
1/2/3/4/5 min  
Times: 3/5

### Measuring Range

#### Adult Mode

SYS: 25 mmHg to 290 mmHg  
DIA: 10 mmHg to 250 mmHg  
MAP: 15 mmHg to 260 mmHg

#### Pediatric Mode

SYS: 25 mmHg to 240 mmHg  
DIA: 10 mmHg to 200 mmHg  
MAP: 15 mmHg to 215 mmHg

#### Neonatal Mode

SYS: 25 mmHg to 140 mmHg  
DIA: 10 mmHg to 115 mmHg  
MAP: 15 mmHg to 125 mmHg

Cuff Pressure Measuring Range: 0 mmHg to 300 mmHg  
Pressure Resolution: 1 mmHg

Maximum Mean Error: ±5 mmHg  
Maximum Standard Deviation: 8 mmHg  
Maximum Measuring Period:

Adult/Pediatric: 120 s  
Neonatal: 90 s

Typical Measuring Period: 30 s to 45 s (depend on HR)

### Overpressure Protection:

Adult: 297 mmHg ±3 mmHg  
Pediatric: 245 mmHg ±3 mmHg  
Neonatal: 147 mmHg ±3 mmHg

### Pre-inflation Pressure:

#### Adult:

Default: 160 mmHg  
Range: Auto/80/100/120/140/150/160/180/200/220/240 mmHg

#### Pediatric:

Default: 140 mmHg  
Range: Auto/80/100/120/140/150/160/180/200 mmHg

#### Neonatal:

Default: 100 mmHg  
Range: Auto/60/70/80/100/120 mmHg

## SPO2

Measuring Range: 0% to 100%  
Resolution: 1%

Data update period: 1 s

### Accuracy:

Adult/Pediatric: ±2% (70% to 100% SpO2)  
Undefined (0% to 69% SpO2)  
Neonatal: ±3% (70% to 100% SpO2)  
Undefined (0% to 69% SpO2)

## PI (PERFUSION INDEX)

Measuring Range: 0-10

Resolution: 1

## PR

### PR (SpO2):

Measuring range: 25 bpm to 300 bpm  
Accuracy: ±2 bpm  
Resolution: 1 bpm

### PR (NIBP):

Measuring range: 40 bpm to 240 bpm  
Accuracy: ±3 bpm or 3.5%, whichever is greater  
Resolution: 1 bpm

## F3000 Module (Covidien Quick TEMP)

Measuring range: 30°C ~ 43°C  
Prediction measurement range: 35°C ~ 43°C  
Cold mode prediction measurement range: 33°C ~ 43°C  
Sensor type: Oral / Axillary / Rectal  
Resolution: 0.1°C

Accuracy: Monitoring Mode and Predictive Mode: ±0.1°C

Quick Predictive Mode: ±0.3°C

Typical measurement time

Oral (Quick Predictive Mode):  
(3 ~ 5) s (non-fever temps); (8 ~ 10) s (fever temps)  
Oral (Predictive Mode): (6 ~ 10) s  
Axillary: (8 ~ 12) s  
Rectal: (10 ~ 14) s  
Monitoring Mode (all sites): (60 ~ 120) s

Measuring Mode: Direct Mode / Adjusted Mode

## TAT-5000S Module (Exergen Infrared TEMP)

Measuring range:

61 °F to 110 °F (16 °C to 43 °C)  
(16 °C rounded up from 15.5 °C)

Resolution: 0.1 °C or 0.1 °F

Arterial heat balance Range for Body Temperature

94 °F to 110 °F (34.5 °C to 43 °C)

Clinical Accuracy: ±0.2 °F or 0.1 °C Per ASTM E1112

Response time: ~0.04 seconds

## T100A (Edan Infrared Forehead TEMP)

Measuring range: 34°C ~ 43°C 93.2 F~109.4 F

Accuracy:

34.0°~ 34.9°: 0.3  
35.0°~ 42.0°: 0.2  
42.1°~ 43.0°: 0.3  
33°C ~ 43°C

Measuring site: Forehead

Resolution: 0.1°C(0.1 F)

Response time: <2 s