# iM3s

## Vital Signs Monitor

Pocket spot checks at all times

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# Pocket spot checks at all times


iM3s



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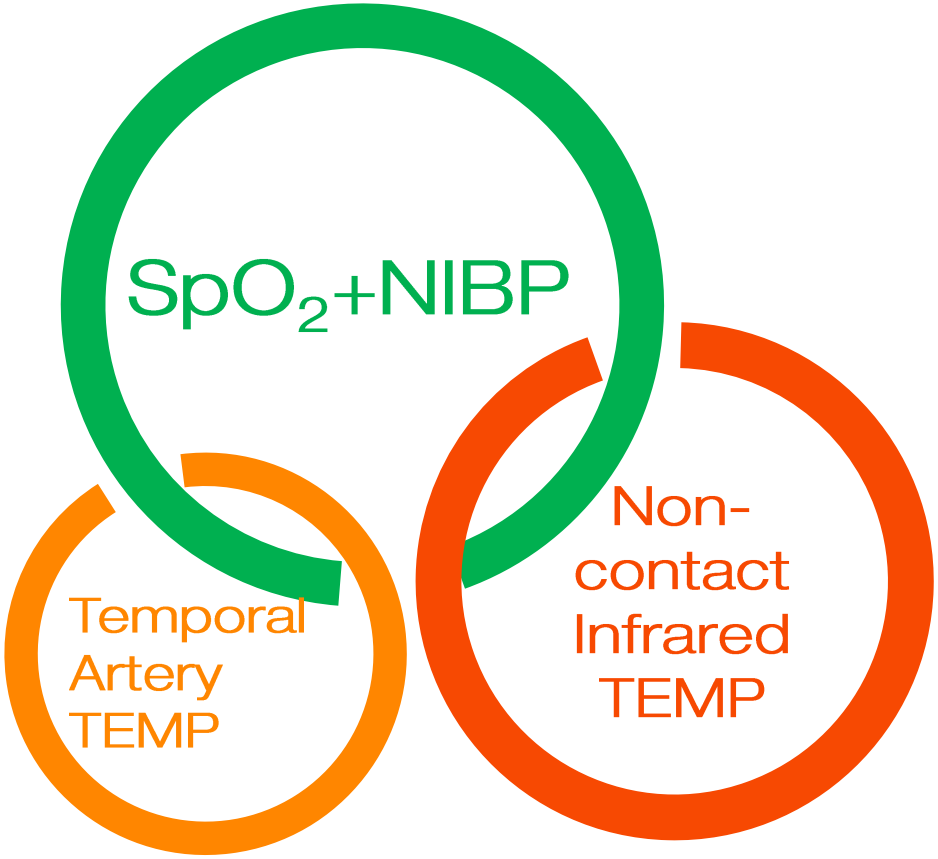
# Configurable Parameters




Besides the basic vital parameter $SpO_2$ and NIBP, iM3s provided different options for temperature monitoring, including temporal artery temperature and wireless non-contact infrared thermometer.

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# Pocket-size Design

Being the smallest vital signs monitor among its kind, the iM3s presents a unique pocket-size design, delivering extraordinary portability throughout spot checks.


## Lightweight

< 300g

## Pocket-Size

77mm (W) * 150mm (H) * 28mm (D)

**iM3s**

5” Color TFT



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# One-hand Operation

All the daily used function and information can be reached with three silicon buttons or through the easy-to-use touch screen.


## Vivid Color Touch Screen

- 5-inch capacitive screen
- High resolution: 720×1280

## Waterproof Silicon Button

- Start/Stop NIBP
- Power Supply / Main Menu
- Admit / New Patient

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# Better-adapted Design

Designed for handheld usage, iM3s comes with better adapted design, has no fear of damage from daily use and make it easy to clean and disinfect.


IP44
Waterproof and Dustproof

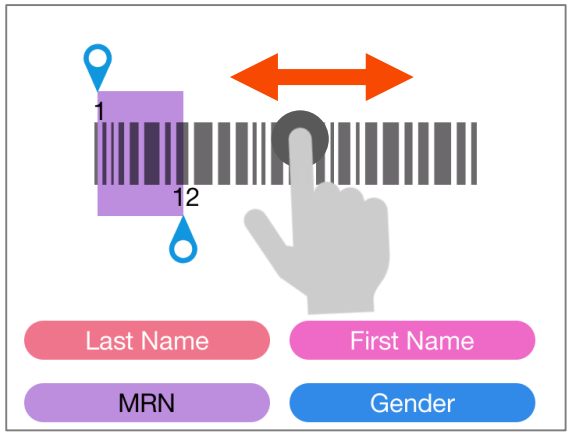

1m
Shock Resistance

# Rich Display Information

Even though it designed as palm-size, iM3s can display rich information on main screen which are well-organized and well-articulated.

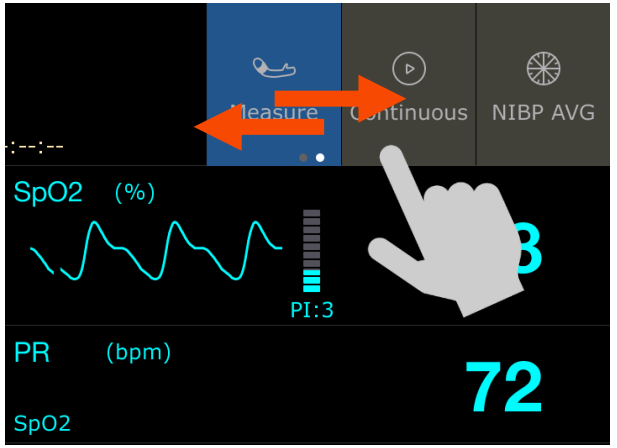
# Powerful Intuitive Experience

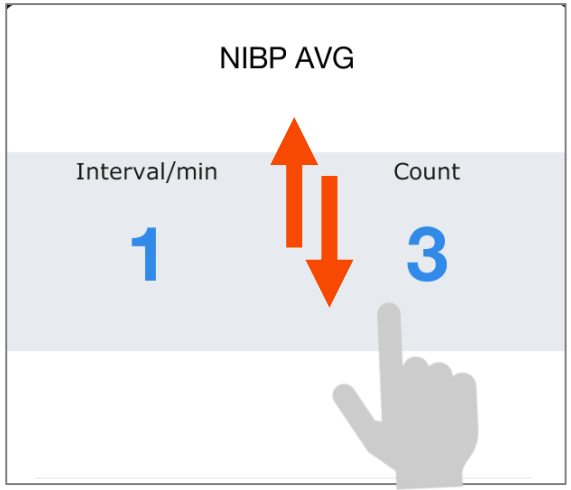
A 5-inch capacitive touch screen is introduced in iM3s which can support gesture control, make it easy to operate as your smart phone.



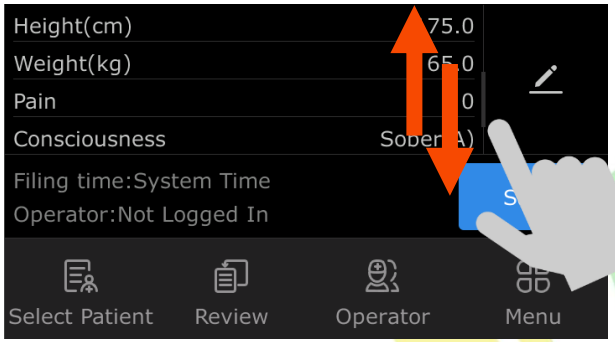

**Touch & Hold-drag**
Area Select

**Swipe**
Left and Right
Up and Down




**Roller Tool**
Item Choosing



# Multiple Solution

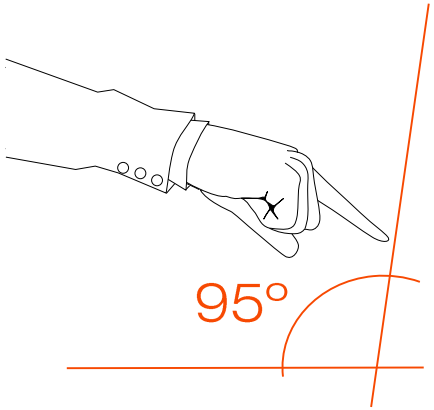
Though iM3s is perfect for one-hand-operation, charging stands are available for tabletop application, providing an extended care solution.

Together with rolling stand or wall mount, it could be used in Outpatient care, Emergency care, Ward rounding, etc.

# Tabletop Expended Solution – CS-04


## Clear View

- 95° incline angle
- Easy to operate & observe on the table




## AC Power Supply

- For using together with rechargeable lithium battery

## Comfortable Handle

- Easy to carry
- Cable receiving design, cables and sensors may go to the gap next to the handle



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# Tabletop Expended Solution – CS-05

## Expended Function

- TEMP module
- Thermal recorder

## Power Supply

- AC power supply
- Extra built-in battery for longer battery life

## Extra Connectivity

- 2 USB 2.0 ports
- USB data storage
- External barcode scanner



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# Incredible Battery Life


## Main Unit

≥ 8 hrs

Rechargeable lithium battery
(work with CS-04 or CS-05)

## Tabletop Solution

Rechargeable lithium battery
(main unit)

+

Built-in rechargeable lithium
battery (CS-05 stand)

≥ 20 hrs

# Indicate In Any Case

Indicate lights are introduced on the front panel, caregivers can easily tell the battery condition and notice the events that is happening.


**Prompt/Standby Indicator**
Lighting in blue

**Charging Indicator**

Fully Charged

Charging

Charging Fault

# Be Thoughtful for Handheld Usage

For better patient-side application, iM3s introduced with integrated SpO2 sensor and NIBP cuff. The length of the cable and tube is within 1m, which helps caregivers to get ride of annoying accessories management.

A silicon cover is also provided which can be used even when using together with charge stand.


Integrated Accessories
Better management


Silicon Cover
Anti-skid design

# Flexible Application

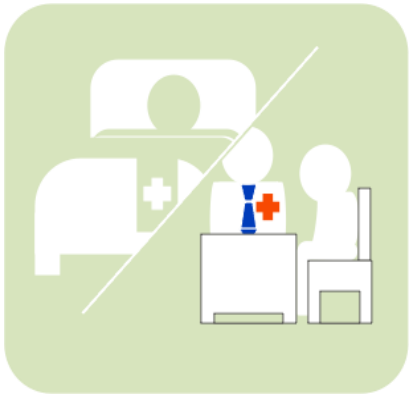
As a vital signs monitor, iM3s serves for different purposes in different applications.

## Spot Mode

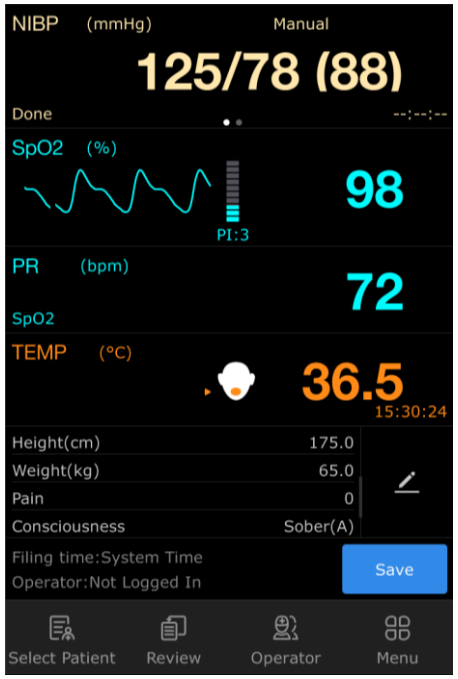
- Quick patient admit
- Multiple data for multiple patients
- Suitable for outpatient, clinics, body examinations, etc.

## Ward Round Mode

- Vital signs & custom parameters
- Patient data batch output
- Special designed for ward rounding



# Best Option for Ward Round

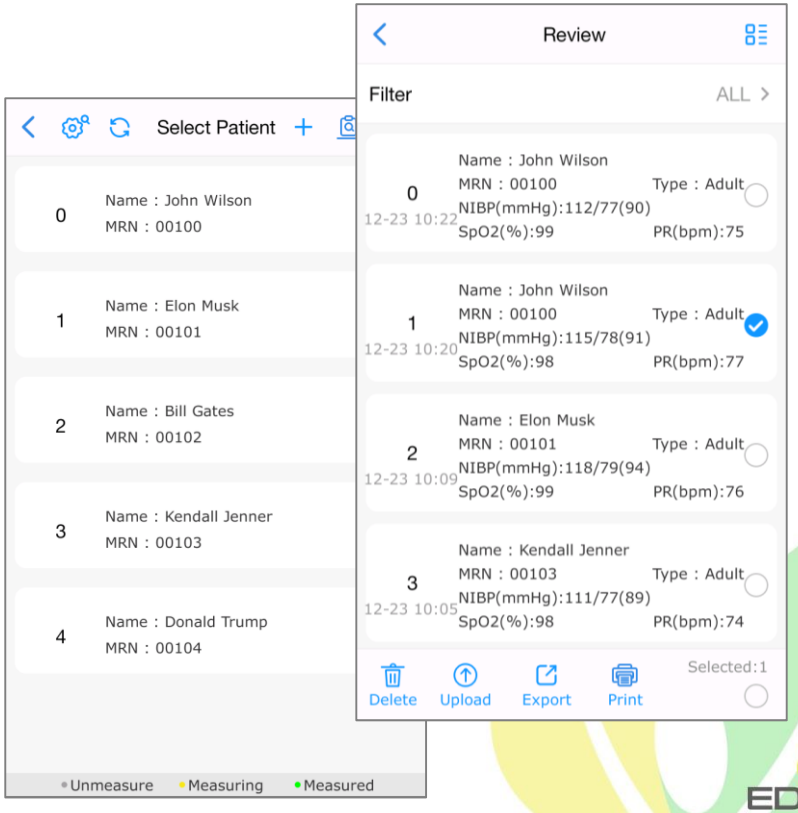



## Rich Information

- Vital signs measurements
- Up to 20 sets of custom parameters
- Record saved with operator info

## Simple Patient Management

- Patient list batch input and select
- Color-coded patient status
- Data review and export as *.CSV*
- EMR connection through HL7



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# Never Lose Data

iM3s comes with a large built-in Non-volatile memory with which you may easily review all patients‘ history data.

Meanwhile, the data could also be transferred to external USB disk for backup if CS-05 charging stand is been used together.

## Spot Mode

- 20000 sets of data
- Multiple patients

## Ward Round Mode

- 20000 sets of data
- Parameter data & Custom parameter

# Barcode Scanning

iM3s provides optional built-in barcode scanner for quick & easy patient information input. Both the one-dimensional code and QR code could be scanned and recognized.

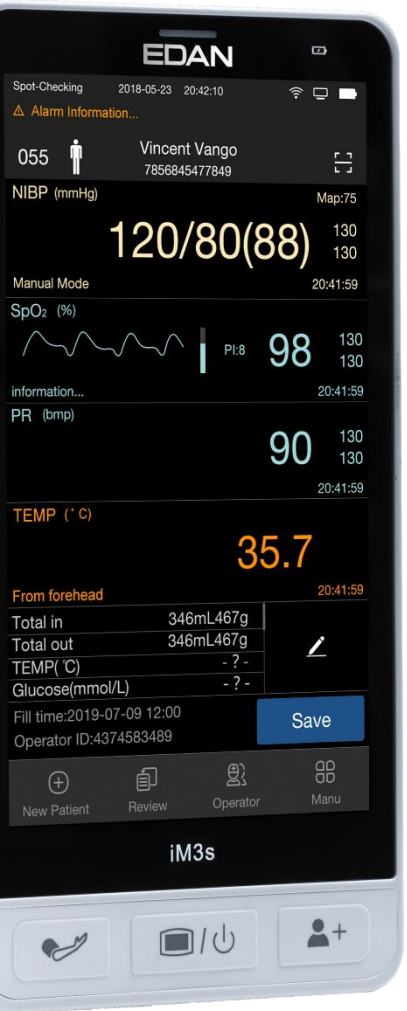
**Built-in Scanner**
Anywhere
anytime

# e-link Wireless Connection


e-link function is based on the BLE4.0 technology, which is applicable in devices running in iOS, Android and Windows system. Patients' data could be transferred to information system or any communication device as requested.

Through e-Link, a non-contact infrared thermometer HTD8808C could also connect with iM3s and transfer the temperature data in real time.

# Medical Record Management

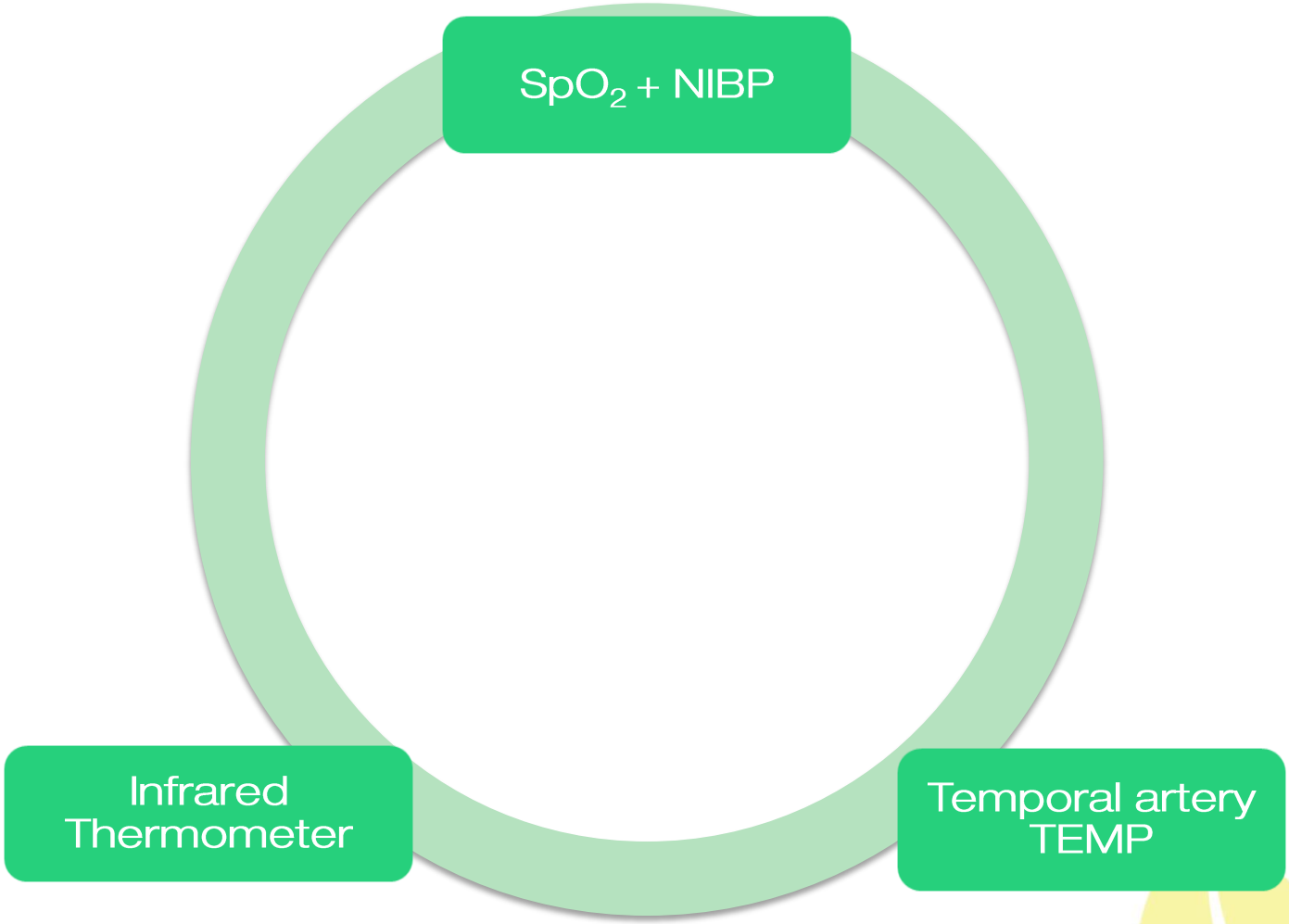





## Built-in Wi-Fi module

Both 2.4 GHz and 5 GHz band wireless transmission are available to adapt to different network environment and provide a better communication experience.

# Parameters



# EDAN $SpO_2$

## EDAN iMAT™ algorithm

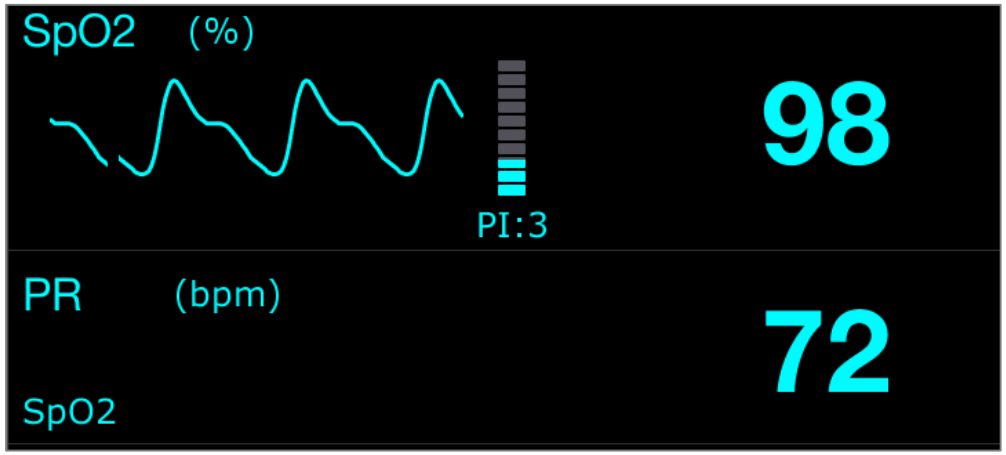
- Outstanding motion resistance and low perfusion resistance performance

## Pitch Tone (Pulse-tone modulation)

- 9 types of different tones. Doctors can rely on it to identify $SpO_2$ changes without checking the readings.

## PI (Perfusion Index)

- Reference reading from 0 to 10 according to perfusion changes.




*Unique shield design to block outside lights, avoiding light interference.*

# EDAN Anti-interference Oximetry

There are many factors which limit the performance of pulse oximetry. Two of the most common are high motion (such as occurs with patients' shivering and tremors) and low perfusion at the area of measurement.

In consideration of this, EDAN developed its anti-interference oximetry, the use of which can largely eliminate the interference even under harsh conditions of high motion and low perfusion. This technique addresses this issue on a combo of hardware and software designs:

- **Hardware Design**

A high signal-to-noise ratio circuit with low-noise components is designed for the acquisition of a weak signal under low perfusion.

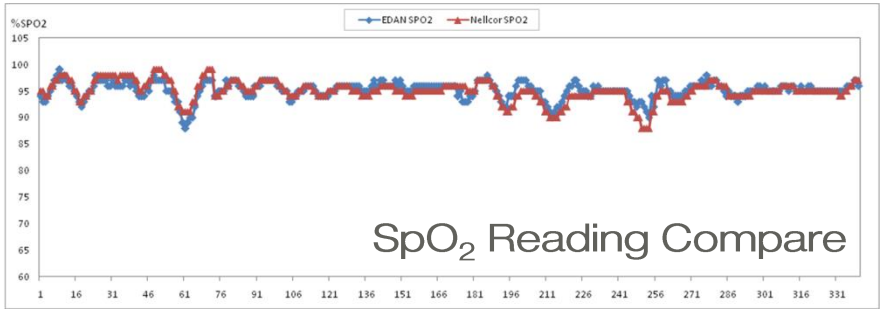
- **iMAT™ Algorithm**

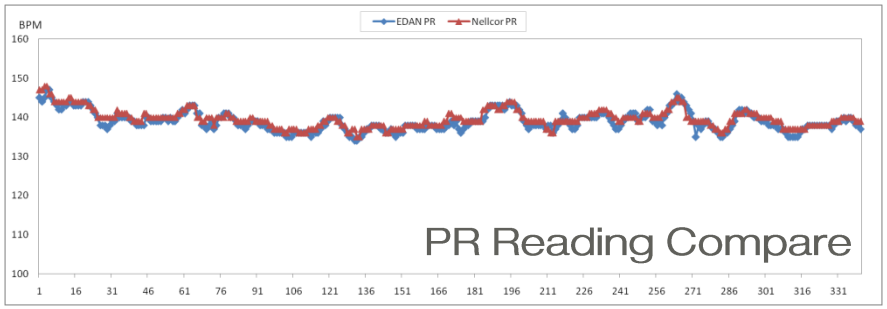
A unique signal processing algorithm iMAT™ takes advantage of signal characteristics under high motion and low perfusion to improve the accuracy and stability of the measurement. This algorithm employs a special filtering process to reduce the noise caused by motion, as well as from other sources, and amplify the pulse oximetry signal.

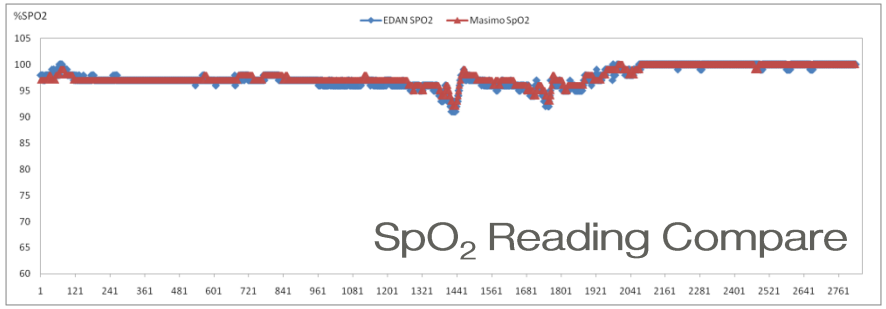
# EDAN $SpO_2$ Compare

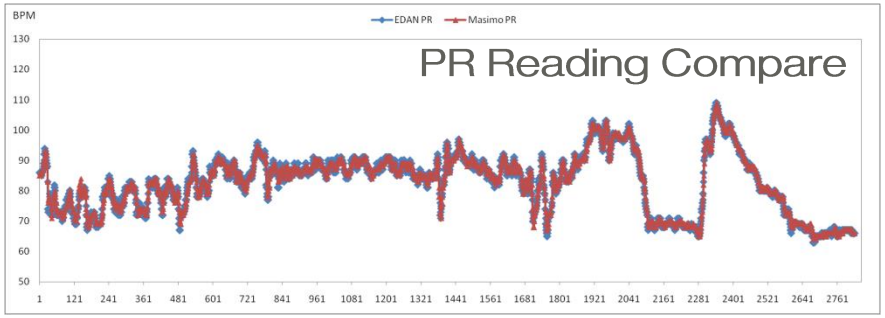
## EDAN v.s. Nellcor

Tested in NICU


## EDAN v.s. MASIMO

Tested in OT

# EDAN NIBP

## EDAN iCUFS™ NIBP algorithm

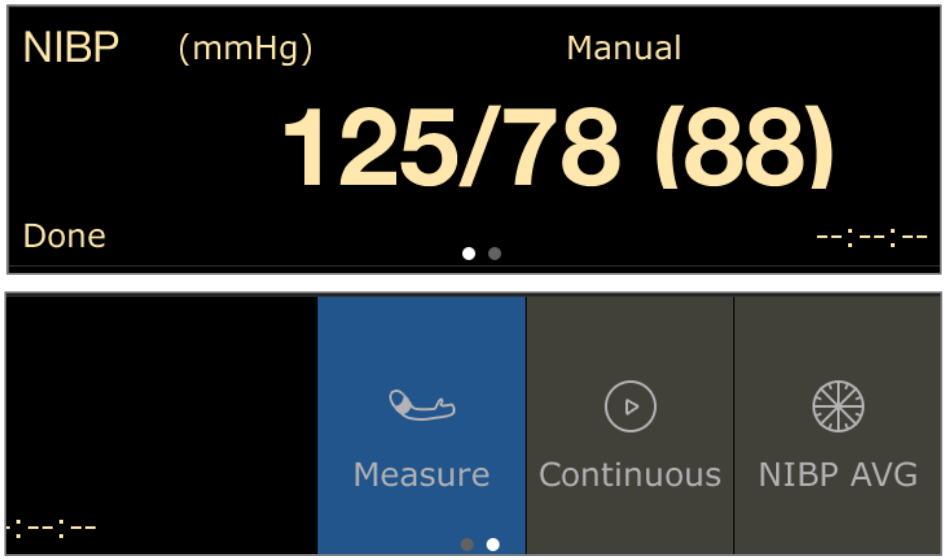
- Optimized for cardiac patients, hypertensive patients, and neonatal patients

## Measuring Mode

- Manual, Continuous, Average

## Low Noise

- Environment friendly. Makes patient more comfortable.

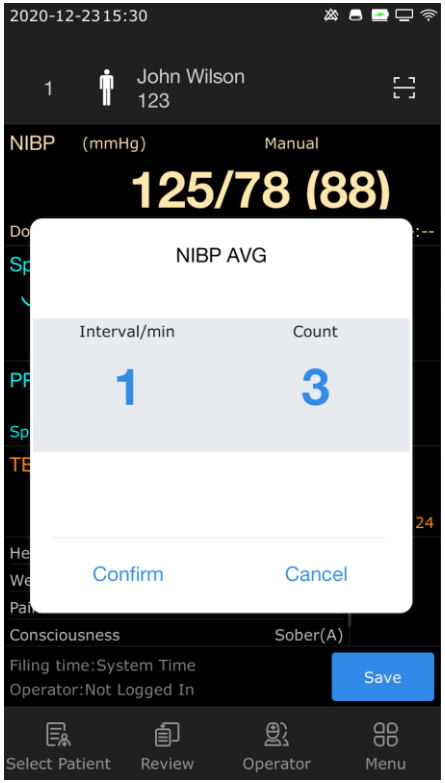



# EDAN Average BP Mode

In clinical applications, BP measurements could be affected by uncertainties such as subject's status, measuring position, etc. For some patients, BP measurement varies from time to time only because of iatrophobia. Thus, recommended by doctors, taking BP readings at different times do better identify false alarms and determine average BP levels over a period of time.

Accordingly, Average BP Mode is introduced in iM3s. The monitor will measure BP automatically for a few times within minutes and come out the average BP reading.

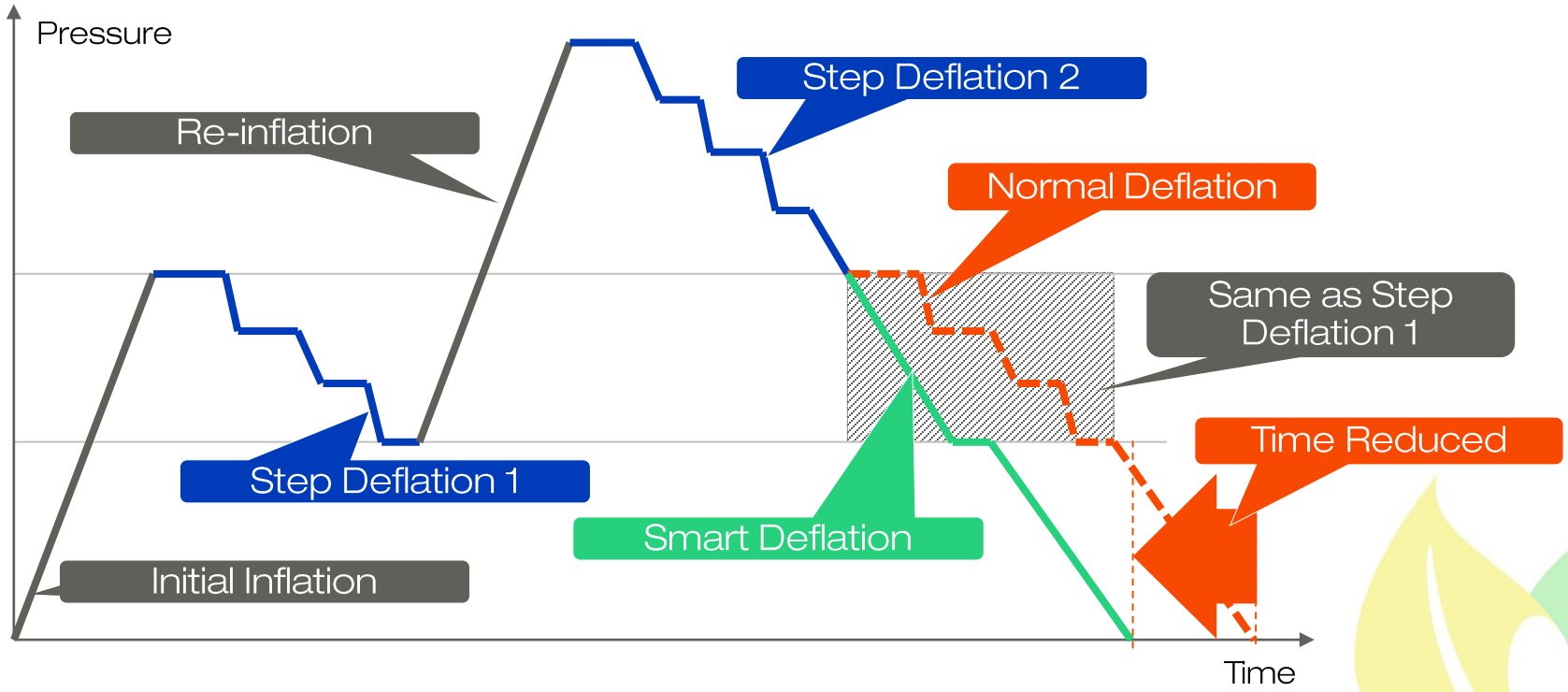
- Configurable Measuring Interval
  1/2/3/4/5 minutes
- Configurable Measuring Times
  3/5 times



# EDAN iCUFS™ Smart Deflation

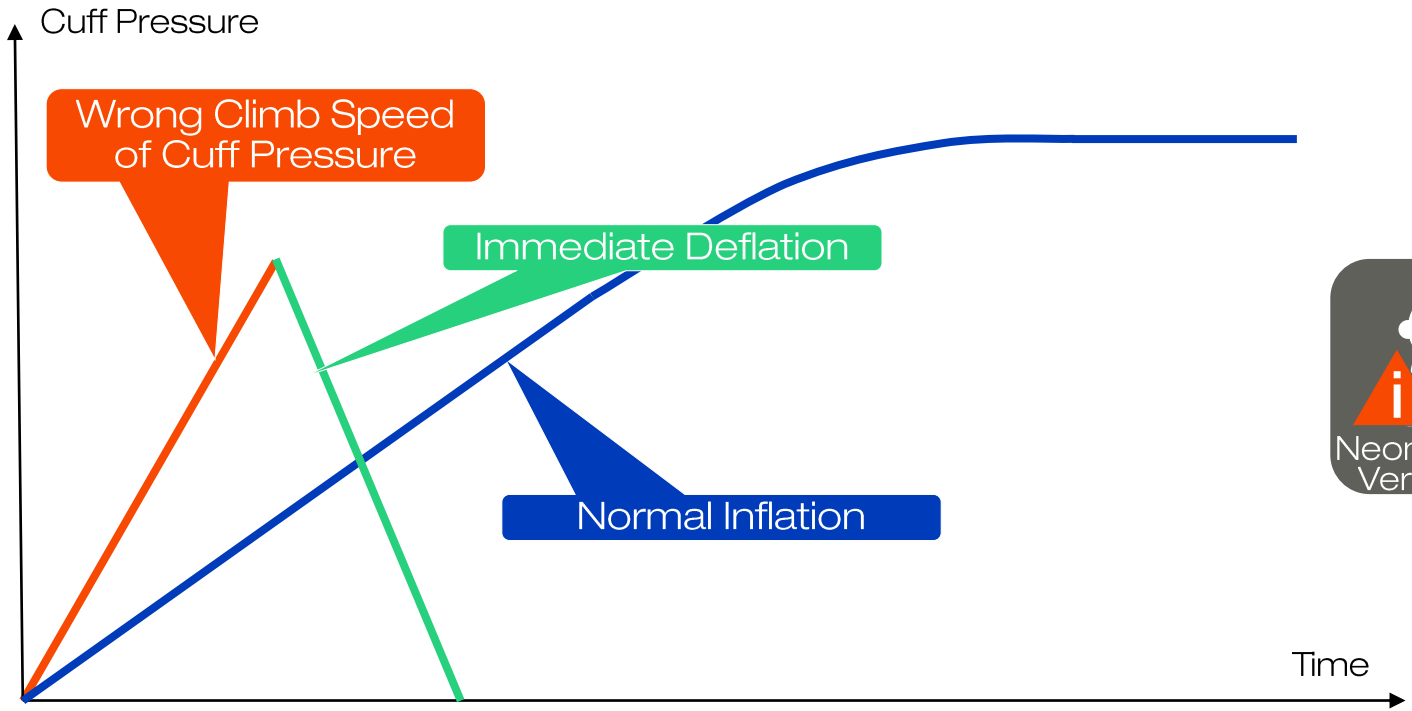
With the smart deflation technology used in EDAN iCUFS™, normal BP measuring time will be decreased by avoiding unnecessary deflation steps, ensuring BP measuring efficiency especially in emergency cares.

- **Time Reduced:**
  Around 5 seconds when there's re-inflation
  Around 2~3 seconds when there's no re-inflation



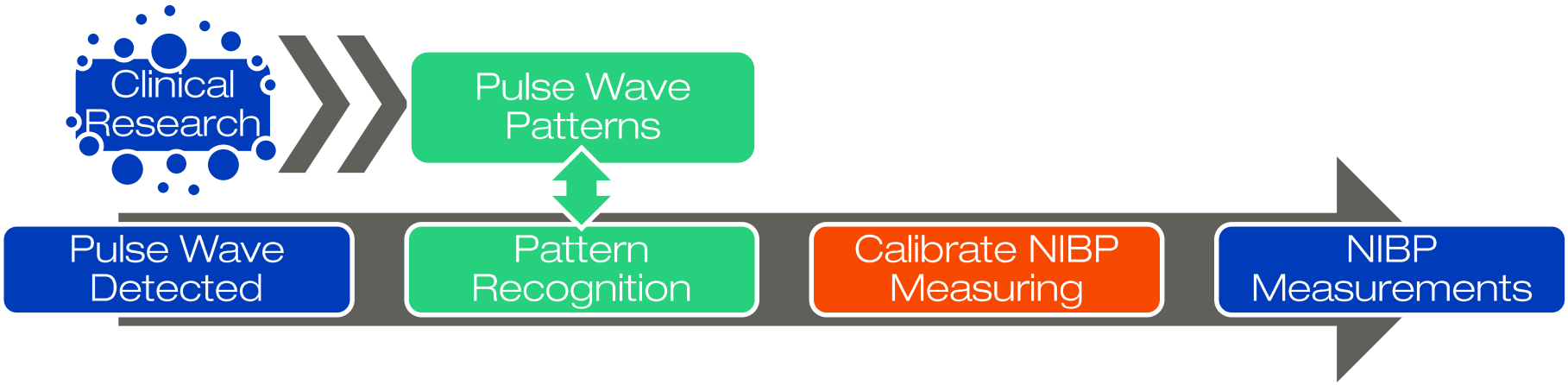
# EDAN iCUFS™ Neonatal Cuff Verification

Sometimes during neonatal monitoring, patient type could be set as adult by mistake. In this case, iCUFS™ shall locate the mistake immediately by measuring the climb speed of cuff pressure and deflate right away. This will prevent unintentional harm brought to the neonatal patients.




Neonatal Cuff Verification

# EDAN iCUFS™ Pulse Wave Calibration

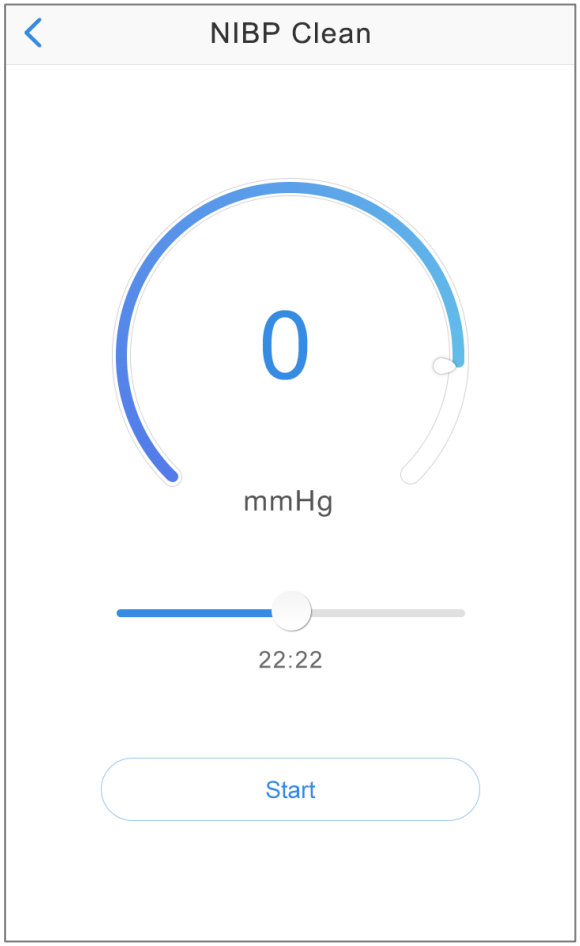



With thousands of clinical research data, iCUFS™ is equipped with pulse wave patterns got from different types of subjects, such as arrhythmia patients, restless patients, transport patients, etc. These patterns help iCUFS™ to generate correct NIBP measurements out of various interferences, especially in cardiac cares and emergency cares.

| Road Type | Percentage of Measuring with Readings Come Out | Variation Compared to Resting BP in Non-Transport Status |
|---|---|---|
| Paving Road with Bends; Flat Unpaved/Gravel Road | 100% with Readings | 90% with less than 15 mmHg Variation |
| Rough Unpaved/Gravel Road; Road with 10 degree Slope; Road with Water/Ice/Snow | 90% with Readings | 80% with less than 15 mmHg Variation |

# Unique Cleaning Mode

The unique cleaning mode can help to remove the dust inside of machine especially for the NIBP tubing. With less dust inside, the NIBP pump can do a better job and provide a more accurate reading.



# Exergen Temporal Scanner

- The Temporal Scanner is an infrared thermometer designed for accurate, completely non-invasive temperature assessment by scanning the temporal artery.
- Suitable for adult, pediatric and infant

exergen.com/s

*Notice: EDAN only provide the rack for Exergent TAT-5000S scanner as well as the data transfer between devices.*

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# THANK YOU

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