



Transforming
Mobile Healthcare



NESO

Handheld SpO₂/EtCO₂ Patient Monitor

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NESO is a newly developed handheld patient monitor targeted to the continuous EtCO₂ and SpO₂ monitoring. It's applied to both intubated and normal spontaneously breathing patients during all clinical situation.

The most advanced modules are adopted in the designing of **NESO** which contribute to the additional valuable asset to the clinical practice, especially during resuscitation. It potentially increases the rate of survival by instituting earlier monitoring that could guide the effectiveness of CPR, and as well help the paramedics with the judgment of the correct position of intubations.

NESO is capable of intelligent wireless data transfer which makes for the patient information assurance setting in the complicated mobile environment.

Applications:

- + Emergency Care
- + Anesthesia
- + ICU
- + Surgery
- + Respiratory Medicine
- + Neonatal
- + ...



[1] In the year 1998, the monitoring of EtCO₂ was enforced by ASA(American Standards Association) in the treatment to the patients under anesthesia.

3.5" color LCD with high luminance
Clear and easy waveforms and readings



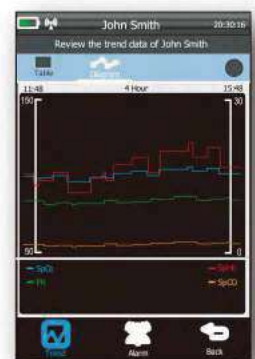
Auto switch of Portrait and landscape mode
Complete display of both waveforms and trend information



Touch screen operation
Intuitive and easy to use

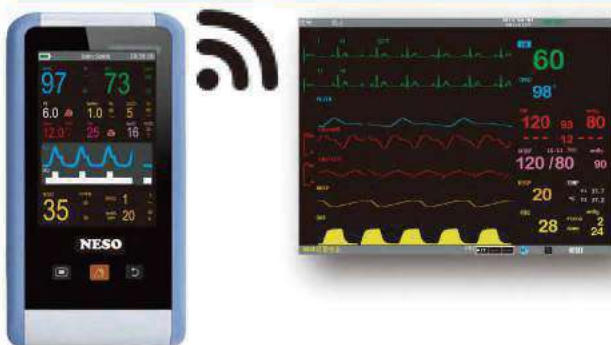


Mass storage of patient data
Record of patient data in 7200 hours



VSDI^[2] technology integrated^[2]

Data and waveforms achieved can be automatically transferred to the bedside patient monitor;
Emergency, Surgery, ICU continuous monitoring



Applied to the field applications

High level of dustproof, waterproof and shockproof



[2] VSDI (Vital Sign Data Integration)

[3] Specified Model

Specification

Physical Characteristics

Size: 78mm(W) X 151mm(H) X 24mm(D)
Weight: 240gr
Battery: 2550 mAh Rechargeable Li-ion Battery, supplies power for 6 hours
Date storage: TF card; WiFi (optional)

Electrical

Instrument: AC input of 100 to 230 VAC & 60/50Hz
Battery: 3.7VDC, 2550mAh Rechargeable Li-ion Battery

Display

Display: 3.5" Graphic LCD display with LED backlight (contrast and backlight control)
Resolution: 320 x 480
Touch Screen: resistance type
Features display: SpO₂, PR, EtCO₂, FiCO₂, AwRR
Wave display: PLE, CO₂, SIQ

Performance

EtCO₂

Display Range CO₂: 0-13% (0~99mmHg)
AwRR: 0~150brpm
Accuracy CO₂: ±0.3%+2% of reading
±2mmHg+2% of reading
AwRR: ±1brpm: 0~70 brpm
±2brpm: 71~120brpm
±3brpm: 121~150brpm
Resolution CO₂: 0.1% (1mmHg)
AwRR: 1brpm

SpO₂

Display Range SpO₂: 0~100%
PR: 30~240 bpm
Accuracy SpO₂: Adult/Pediatric: ±2% (70%~100%)
Neonates: ±3% (70%~100%)
PR: ±3%/±3bpm of upper value
Resolution SpO₂: 1%
PR: 1bpm

Feature Module

Masimo EtCO₂ module
Masimo SpO₂ module

Accessories

EtCO₂ airway adapter
SpO₂ probe
TF(Micro-SD) card
Extra Rechargeable Li-ion Battery
External Battery Charger
Carrying Bag
Protective Boot

Product Model

Product Name	Model	Basic Function
NESO	PMSH-100	SpO ₂
	PMSH-200	EtCO ₂
	PMSH-300	SpO ₂ +EtCO ₂

NESO

Handheld SpO₂/EtCO₂ Patient Monitor
Durable, reliable and affordable.

betterlife

Better Life Medical Technology Co., Ltd.
Making Life Better

Room 201, Bldg.6, No.188 Fuchunjiang Rd, Suzhou High-tech District, Suzhou, 215153, Jiangsu Province, China

+86 512 6680 1583

marketing@blmed.cn

+86 512 6680 1582

www.blmed.cn

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13485

CE 0123

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