

betterlife



Transforming
Mobile Healthcare



NESO

Handheld SpO₂/EtCO₂ Patient Monitor

ISO ⁹⁰⁰¹
13485 CE 0123

BL-P/A4-1610-E3/1

NESO

Handheld SpO₂/EtCO₂ Patient Monitor

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

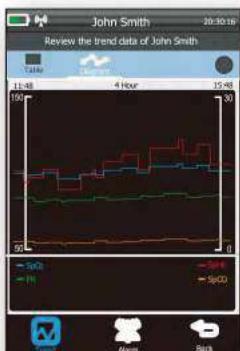
Auto switch of Portrait and landscape mode
Complete display of both waveforms and trend information



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)

SpO₂

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

Electrical

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

Feature Module

Masimo EtCO ₂ module
Masimo SpO ₂ module

Display

Display:	3.5" Graphic LCD display with LED backlight (contrast and backlight control)
Resolution:	320 x 480
Touch Screen:	resistance type
Features display:	SpO ₂ , PR, EtCO ₂ , FiCO ₂ , AwRR
Wave display:	PLE, CO ₂ , SIQ

Accessories

EtCO ₂ airway adapter
SpO ₂ probe
TF(Micro-SD) card
Extra Rechargeable Li-ion Battery
External Battery Charger
Carrying Bag
Protective Boot

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

Product Model

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



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NESO

Handheld SpO₂/EtCO₂ Patient Monitor

Durable, reliable and affordable.

ISO 9001
13485

CE 0123

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Features and specifications are subject to change without notice.