

Specification: NC 5

The logo features the word "COMEN" in large, bold, white, 3D-style capital letters. The letters are set against a blue background that has a subtle gradient and a faint, repeating pattern of the word "COMEN" in a lighter shade. The letters appear to be resting on a light blue, curved surface that resembles a globe or a lens.

COMEN Share with the world

SHENZHEN COMEN MEDICAL INSTRUMENTS CO.,LTD

No.2 of FIYATA Timepiece Building, Nanhuan Avenue, Gongming
sub-district, Guangming New District, Shenzhen, P.R. China

Tel: +86-755-26408879

Fax: +86-755-26431232

Email: info@szcomen.com

Web: en.comen.com

Patient Monitor

NC 5



Standard Configuration:

COMEN SpO2, NIBP, PR

Optional Configuration:

3-Lead ECG, Nellcor/Masimo SpO2, Ear Temp, Thermal Recorder, Suntech NIBP

Safety Standards

ISO 13485:2016 approved, CE marking according to MDD93/42/EEC

Physical Characteristics

Product Size: 165mm*250 mm*165mm
Net Weight: ≤2.5kg (battery excluded)

Operation Environment

working Temp: 5-40°C
Humidity: ≤93%
Power Supply: 100-240V~, 50/60Hz±1Hz
Battery Type: Rechargeable Lithium-ion battery
Battery Capacity: 2200mAh (Working time: 3hours)/
(Optional 4400mAh (Working time: 8hours))

Battery
Recharging Time: Maximum 5.5 hours for charging under power-on state(2200mAh);
Maximum 10.5 hours for charging under power-on state(4400mAh)

Battery backup: 3 hours for continuous working
Display: 8" color TFT capacitive touch screen
Resolution: 800*600
Display Trace: Up to 2 waveforms: ECG AND PLETH WAVE

Indicator

two alarm indicators
Power indicator
Battery indicator
QRS beep and alarm sound
Operating key sound

Interface

Parameter interface:	ECG, SPO2, NIBP, TEMP
AC socket	power input
USB port:	2
Network port	RJ45
Multi-Fun.	Multi-Functional port

Data storage

Alarm Event	
Review:	200 groups
Wave Review:	48hours
NIBP Review:	2000 groups
Trend data:	160 hours
Power-off storage	Yes

Features

Alarm:	User-adjustable High and Low 3-level Limits; Prioritized audible and visual alarm
Network:	Connected to Comen Central Monitoring System or HL7 by hardwire/wireless
WIFI	YES
Mode	Spot check and monitoring
USB	Software upgrade(standard), bar code scanner, printer and external devices(optional)
Multi-Fun.	Nurse Call
Data	Date storage, review and transfer
Scoring system:	MEWS, NEWS, EWS



Protocol HL7

Recorder

Type: Built-in; thermal array

Channel: 2 channel wave forms

Speed: 25mm/s,50mm/s

Record width: 50mm

ECG

Lead Type: 3-Lead

3-Lead Cable: I, II, III (monitoring mode)

Gain Selection: X0.125, X0.25, X0.5, X1, X2,X4, auto

Sweep Speed: 6.25,12.5, 25, 50mm/s

Heart Rate

Range: 15-350bpm

Resolution: 1 bpm

Protection: Withstand 1500VAC/50Hz voltage in isolation;
Against electrosurgical interference and defibrillation;

Accuracy: $\pm 1\%$ or $\pm 1\text{bpm}$ (whichever is greater)

Frequency: Monitoring Mode:0.5 Hz~40 Hz
Diagnosis Mode: 0.05Hz~150 Hz
Surgery Mode:1 Hz~20 Hz

Pacemaker detection: Detectable

ECG 2

Lead type Limb clamps

NIBP

Method Automatic oscillometric

Work mode: Manual / Automatic/Continuous

Auto mode test interval: Adjustable(1-720min)

Measurement Unit: mmHg / Kpa selectable

Measurement types: Systolic, Diastolic, Mean

Range of systolic pressure: Adult Mode:40-270mmHg
Pediatric Mode:40-200mmHg
Neonate Mode 40-135mmHg

Range of diastolic pressure: Adult Mode:10-215mmHg
Pediatric Mode:10-150mmHg
Neonate Mode 10-100mmHg

Range of mean pressure: Adult Mode:20-235mmHg
Pediatric Mode:20-165mmHg
Neonate Mode 20-110mmHg

Over-pressure protection: Both Hardware and software over pressure protection

Accuracy: Less than $\pm 3\text{mmHg}$ or $\pm 0.4\text{kPa}$

Resolution: 1mmHg or 0.1kPa

Alarm: Systolic, Diastolic, Mean

PR from NIBP: 40-240bpm

Resolution: 1bpm

Accuracy: $\pm 3\%$ or $\pm 3\text{bpm}$, whichever is greater

Nellcor SpO₂

Measurement range: 0-100%

Alarm range: 20% ~ 100%

Resolution: 1%

Accuracy: $\pm 2\%$ (70~100%, Adu/Ped, non- motion)
 $\pm 3\%$ (70~100%, Neo, non-motion)
Unspecified (0~69%)

PR Measurement

Range: 20-300bpm

Resolution: 1bpm

Accuracy: $\pm 3\text{bpm}$ (20-250bpm);
Unspecified (251-300bpm)

Alarm range: 20~350bpm

Masimo SpO₂

Measurement range: 1~100%

Resolution: 1%

Accuracy: $\pm 2\%$ (70-100%, Adu/Ped, non-motion)
 $\pm 3\%$ (70-100%, Neo, non-motion and motion)
Unspecified (1-69%)

Alarm range 1~100%

PR measurement:

Range: 25~240bpm

Resolution 1bpm

Accuracy: $\pm 3\text{bpm}$ (non-motion)
 $\pm 5\text{bpm}$ (motion)

Alarm range: 20~350bpm

PI value: 0.02%~20%

Resolution: 0.01% (0.02%~9.99%)
0.1% (10.0%~20.0%)

Accuracy: Unspecified

Comen SpO₂

Measurement

range: 0~100%

Resolution: 1%

Accuracy: ±2% (70~100%, Adu/Ped, non-motion)

±3% (70-100%, Neo, non-motion)

Unspecified (0-69%)

Alarm range: 0~100%

PR measurement

Range: 20-254bpm

Resolution: 1bpm

Accuracy: ±2bpm

PR Alarm Range: 20~350bpm

PI value: 0.05%~20 %

Temperature (Ear Probe)

Range: 34°C-42.2°C

TEMP sensor: IR Ear Temperature probe

Resolution: 0.1°C

Accuracy: ±0.2°C (At 35.0 °C to 42.0 °C)

±0.3°C (other range)

***Notice: Specifications subject to changes without prior notice. All rights reserved by Comen**