# C86
Patient Monitor

COMEN

C86 patient monitor is designed to meet your every second care of patients in clinical, configuring 15" LCD touch screen, fixed handle, mounting solutions and handwriting pen, it is therefore your optimal choice for acute care.
In case of different clinical environment such as in ICU, C86 provides IPX1 waterproof protection to satisfying strict environment requirements.

● 15 inch LCD touch screen

Fixed handle, more compact with small weight, easy to carry

Aesthetically pleasing new interface design
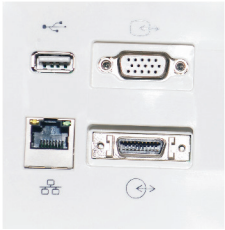
USB, VGA, network and multi-functional interface
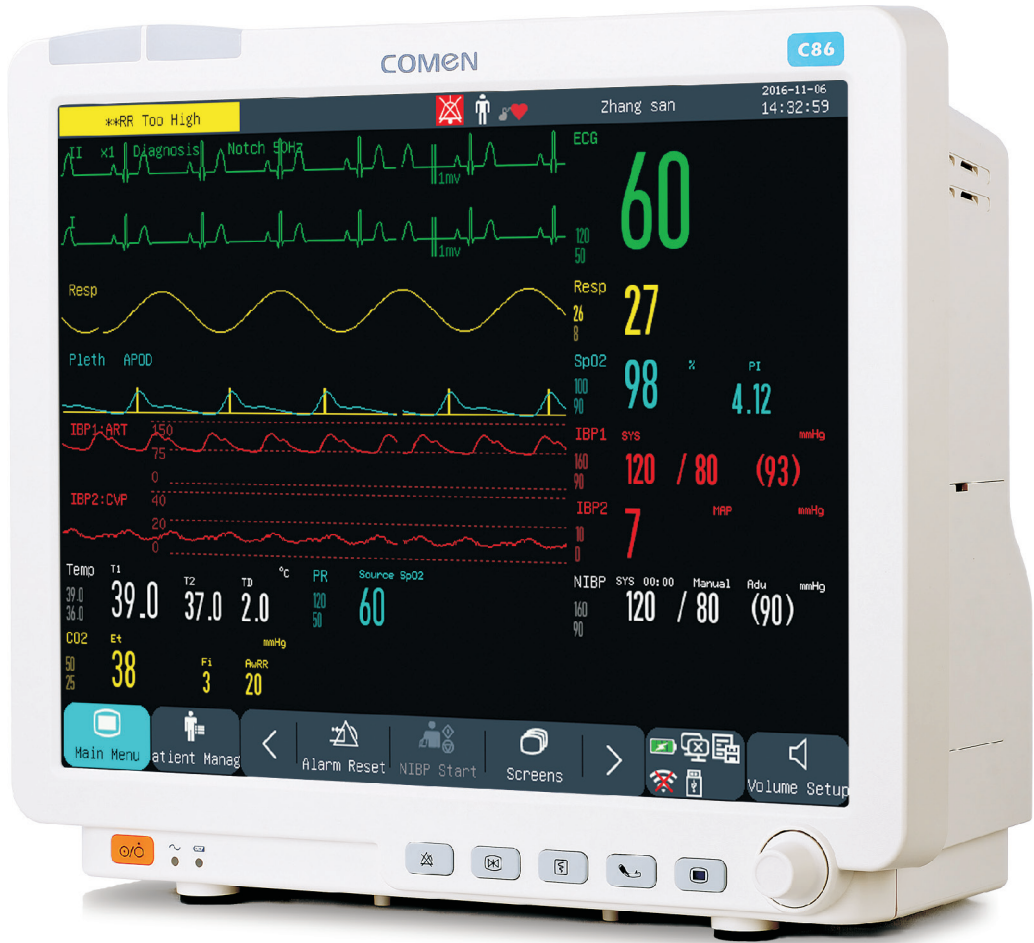
Wall mount, trolley

Large capacity of Lithium battery support long time working without power supply

Recommended configuration

	operating room	ICU	CCU	general ward
12-lead ECG	✓	✓	✓	×
MASIMO SpO2	✓	✓	✓	×
Comen SpO2	✓	✓	✓	✓
Side-stream EtCO2	✓	✓	✓	×
Mainstream EtCO2	✓	✓	×	×
BIS	✓	✓	✓	×
C.O.	✓	✓	✓	×
IBP	✓	✓	×	×
AG	✓	×	×	×
ICG	✓	✓	✓	×

CE 1639

C86
Patient Monitor

With leading ECG technology, anti-motion & week perfusion SPO2 technology as well as accurate NIBP measurement technology and cooperation with word leading medical technique providers such as Masimo、Covidien、Respironics、Medis，C86 is designed to optimize performances by configuring Etco2, AG,BIS and noninvasive hemodynamic monitoring into one, helping you care even the most critical patients with professional assistance.
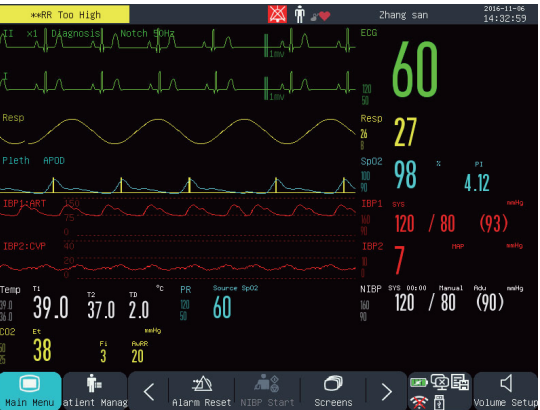
ECG

- 3/5/12-lead ECG measurement technology , leads automatic identification
- Intelligent leads off detection and automatically leads selection guarantee uninterrupted monitoring
- ECG ensures intensive monitoring for a particular waveform
- CMRR≥105dB, outstanding ECG anti-interference capability
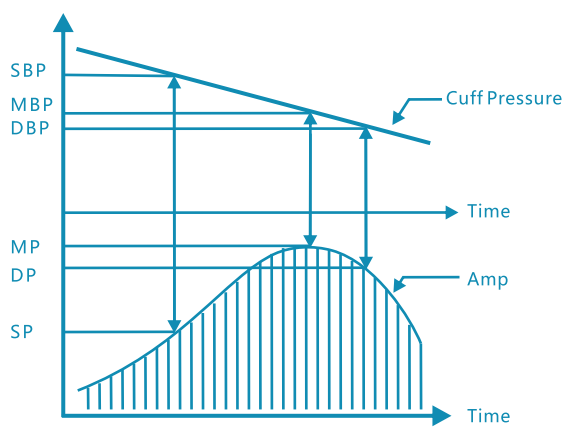- Support arrhymia analysis & ST segment analysis

IBP

2-channel IBP, monitoring ART, PA, CVP, LAP, RAP, ICP etc

Masimo SpO2

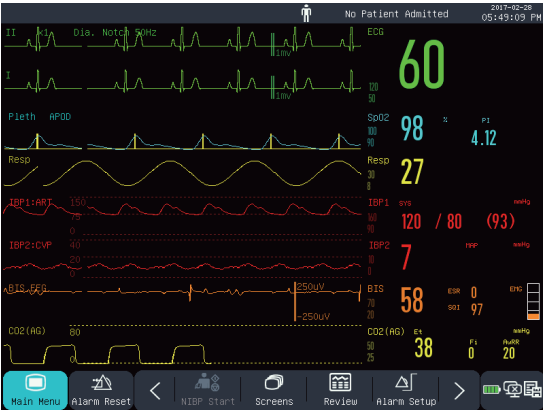| Performance Claim	MasimoSET Pulse Oximeter
SpO2 Accuracy (70-100%)	
Adult/Pediatric (No Motion)	±2 digits
Adult/Pediatric (Motion)	±3 digits
Perfusion Index Range	0.02% - 20%
Accuracy in Low Perfusion	Adult ±2 Neo ±3 digits
Forehead Sensor	TF-I ±2 digits
Ear Sensor	TC-I ±3.5 digits
Fragile Skin non-adhesive (No Motion)	SofTouch ±3 digits
Fragile Skin non-adhesive (Motion)	SofTouch ±3 digits
SpO2 Accuracy (60-80%)	
Adult/Pediatric(No Motion)	Not Currently Claimed2
Forehead Sensor	Not Available
Pulse Rate Accuracy (70%-100%)	
Pulse Rate(No Motion)	25 - 240 bpm ±3 digits
Pulse Rate(Motion)	25 - 240 bpm ±5 digits
Pulse Rate - Low Perfusion	25 - 240 bpm ±3 digits

NIBP

AcuTecTM NIBP technology, high accuracy for hypertension monitoring.
The initial inflatable pressure can be selected to improve the accuracy of measurement and the comfort of patients.

CO$_2$

- Cooperate with US RESPIRONICS, MASIMO, Plug and Play EtCO2 monitoring.
- Use CAPNOSTAT 5 / IRMA mainstream sensor for optimal performance in monitoring intubated patient.
- Small, durable and lightweight mainstream sensor provides accurate and reliable monitoring for all intubated patients from neonates to adults.
- No calibration required.
- Use LoFlo / ISA sidestream sensor for monitoring non-intubated patient.
- Flexible, compact CO2 sensor provies consistent and reliable monitoring of adult, pediatric and neonatal patients.
- Sample rate ≤ 50ml/min(micro-stream).

BIS (Bispectral Index) module

The BIS module has been designed to be used in the monitoring of the level of consciousness of a patient during the application of general anaesthesia or in intensive care. This is accomplished by registering the electroencephalo-graph (EEG) signal by means of surface electrodes which is then analyzed by a digital process. As a result of the applied calculation, an index "BIS" is obtained, which serves as guidance to the experts who use it to determine the level of consciousness of the patient during surgery.

Anesthetic Gas

Cooperate with MASIMO, adopts the advanced anesthetic gas module for monitoring 8 types of gas (O2, Co2, N2O, ENF, ISO, DES, SEV, HAL). Automaic identification of the anesthetic gas, short time for warm-up, long service life and supports the MAC value (minimum alveolar concentration).

Critical time
Seize every second to save life

Non-invasive Hemodynamic

- Cooperate with MEDIS, impedance cardiography for non-invasive continuous hemodynamic monitoring.
- Micro-signal transmit through disposable electrode.
- Blood volume and Blood Flow Velocity varies with heartbeat, DISQ® technology processes impedance signal variation.
- Variation of impedance applies to non-invasive Z MARCTM algorithm for acuiring SV, CO, SVR, Contractility and TFC etc.

External electrode
Transmit electricity
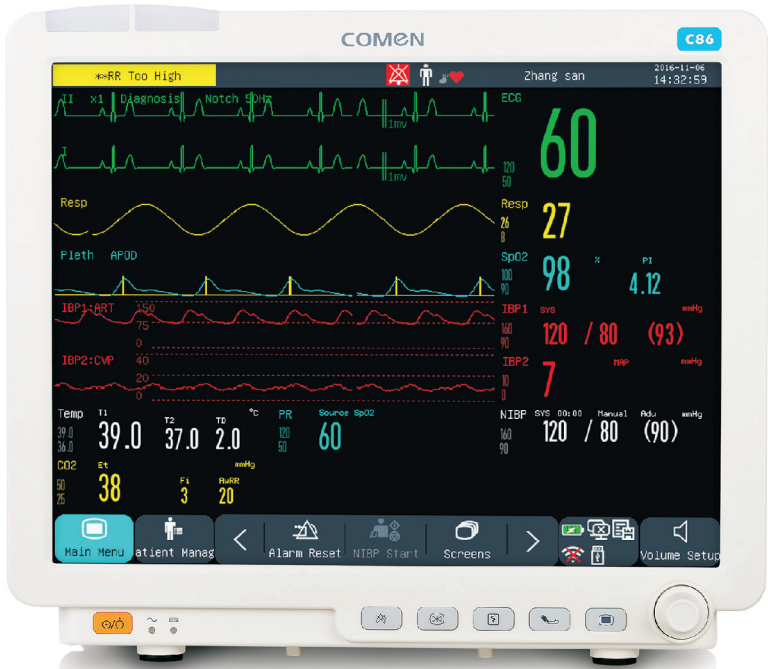Internal electrode
Measure impedance
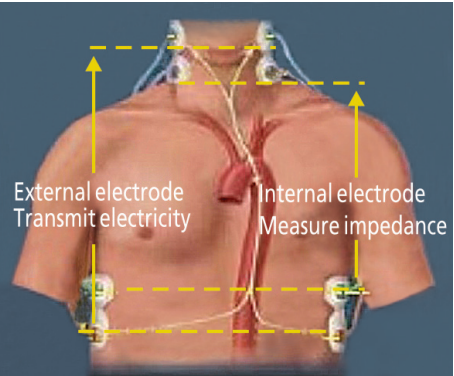
Intelligent Alarm

I-KLOK® intelligent alarm management, auto-identification of alarm level. Self-adjust proper alarm time to reduce false alarms.

C.O. (Cardiac Output) module

C86 is involved itself in invasive cardiac output technique, but C.O. measurement is conducted with conventional thermo dilution invasive cardiac output and other hemodynamic parameters. The monitor can measure "blood temperature", "calculating cardiac output", "calculating hemodynamics". The cardiac output is measured with floating catheter led from vein to pulmonary artery followed by injecting a certain amount of ice water at 0°C (injecta) such that the blood temperature will be varied after the injecta and blood output from the heart are mixed together thereby achieving cardiac output by measuring blood temperature variation before and after infected in accordance with the principle of heat balance.

- Support wire & wireless central monitoring system.