

C60

Multi-parameter Patient Monitor

Safety Standards

ISO 13485:2003 approved, FDA approved, CE marking according to MDD93/42/EEC

Physical Characteristics

Net Weight:3.5kg

Operation Environment

Temperature: 0-40°C
Humidity: 15-85%
Power Supply: AC100-250V, 50/60Hz
Battery Type: Rechargeable plug & play battery Lithium-ion
Battery Capacity: 4000mA
Battery Recharging Time: Maximum 6.5 hours for charging;
Battery working period: 4 hours for continuous working

Performance Specifications

Patient range: Adult, Pediatric, Neonatal
Display: 8.4" color TFT touch screen
Resolution: 800x600
Trace: 7 waveforms
Sweep Speed: 6.25 mm/s, 12.5mm/s, 25mm/s, 50mm/s
Indicator: Dual alarm indicator lights
Power indicator light
Battery indicator light
QRS beep and alarm sound
Operating key sound
Interface: Parameter cable interface
AC power input socket
Software upgrade through networking port or USB port
USB/SD port
RJ45 port
Nurse call port
Trend time: 120 hours trending
Alarm: User-adjustable High and Low 3-level Limits ;
Prioritized audible and visual alarm
Recorder: Built-in; thermal array
2 waveforms
Speed: 25mm/s,50mm/s
Record width: 50mm
Data: Power-off storage

Respiration

Method: impedance method
RR measurement range: Adult: 0-120bpm
Neonate: 0-150bpm
Resolution: ± 1 rpm
RESP Apnea Alarm: 10s-40s
Alarm: Audible and visual alarm; alarm events recallable
Sweep Speed: 12.5, 25, 50mm/s
Gain Selection: X0.25, X0.5, X1, X2, X4

ECG

Lead Type: standard 5 Lead

Gain Selection X0.25, X0.25, X0.5, X1, X2, X4, auto
Sweep Speed 12.5, 25, 50mm/s
Heart Rate Range: Adult: 15-300bpm
Pediatric/Neonate : 15-350bpm

Resolution: 1 bpm
Protection:
Withstand 4000VAC/50Hz voltage in isolation;
Against electrosurgical interference and defibrillation
Accuracy: $\pm 1\%$ or ± 2 bpm (whichever is greater)
Filter ECG enlarge width:
MON: 0.5-55Hz
DIA: 0.05-150Hz
OPE: 1-20Hz
ST SEGMENT detection: -2.0mV - +2.0mV (Automatic)
Arrhythmia analysis : Yes
pacemaker detection: detectable

NIBP

Method Automatic oscillometric
Work mode: Manual / Automatic/Continuous
Auto measure time: Adjustable(1-480min)
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 ± 5 mmHg
Resolution: 1mmHg
Alarm Systolic, Diastolic, Mean
PR from NIBP: 40-240bpm

Temperature (Dual Channel)

Measurement range: 0-50°C
TEMP sensor: Standard configuration- skin TEMP sensor,
Resolution: 0.1°C
Accuracy: ± 0.1 °C
Channel: T1, T2, TD (Temperature Difference)

Masimo SPO2

Measurement & alarm range: 1~100%
Resolution: 1%
Accuracy: $\pm 2\%$ (70~100%, Ped, non-motion+
 $\pm 3\%$ (70-100%, Neo, non-motion);
0-69% unspecified

Alarm range: 0~100%
Pulse rate: Range: 25~240bpm
Resolution: 1bpm
Accuracy: ± 3 bpm(non-motion)
 ± 5 bpm(motion)
Alarm range: 25~240bpm

COMENUS SPO2

Measurement & alarm range 1~100%
Resolution: 1%
Accuracy: $\pm 2\%$ (70~100%, Ped, non-motion+
 $\pm 3\%$ (70-100%, Neo, non-motion);
0-69% unspecified
Alarm range: 0~100%
Pulse rate: Range: 20~250bpm
Resolution: 1bpm
Accuracy: ± 3 bpm(non-motion)
 ± 5 bpm(motion)
Alarm range: 20~250bpm

EtCO2(Sidestream)

CO2 Measurement Range: 0 -150 mm Hg,
0 to 79%, 0 to 20kPa (at 760mmHg)
Accuracy: ± 2 mm Hg (0 - 40 mm Hg)
 $\pm 5\%$ of reading (41 - 70 mm Hg)
 $\pm 8\%$ of reading (71 -100 mm Hg)
 $\pm 10\%$ of reading (101 -150 mm Hg)
Respiration rate: 2-120bpm
Respiration rate accuracy: ± 2 rpm (0-70rpm)
 ± 5 rpm (> 70rpm)
Response time: <240msec (10% to 90%)
Delay time: <2s

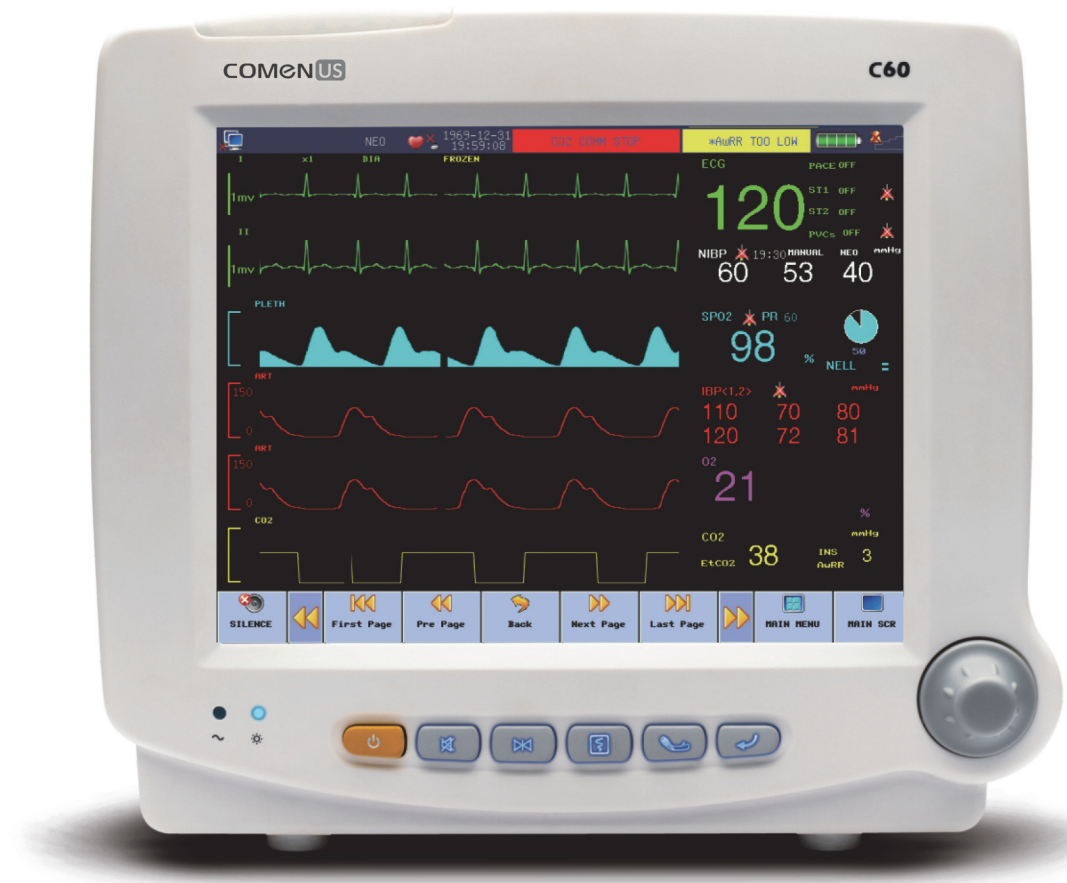
EtCO2(mainstream)

CO2 Measurement Range: 0 -150 mm Hg,
0 to 79%, 0 to 20kPa (at 760mmHg)
Accuracy: ± 2 mm Hg (0 - 40 mm Hg)
 $\pm 5\%$ of reading (41 - 70 mm Hg)
 $\pm 8\%$ of reading (71 -100 mm Hg)
 $\pm 10\%$ of reading (101 -150 mm Hg)
Respiration rate: 0-120bpm
Respiration rate accuracy: ± 2 rpm (0-70rpm)
 ± 5 rpm (>70rpm)
Delay time: <2s

IBP

Measured Pressure AVP, CVP, PAR, LAP, RAP, ICP
IBP Accuracy: 0~100mmHg ± 4 mmHg
100mmHg~300mmHg $\pm 2\%$
Pulse Accuracy: $\pm 1\%$ or ± 1 bpm,
Alarm Range:-50mmHg~300mmHg

COMENUS



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Comenus

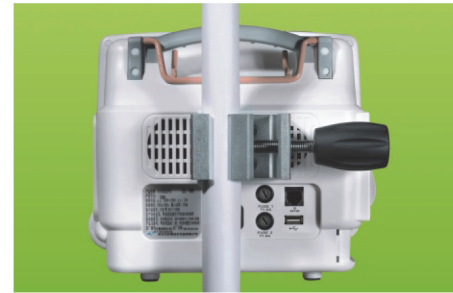
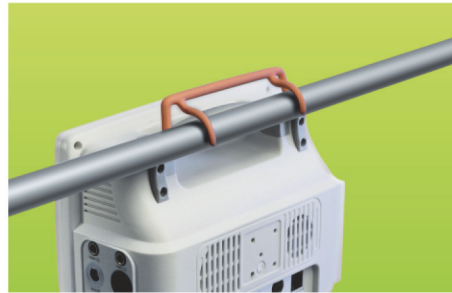
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FDA CE 0434



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■ Various mounting solutions



- USB socket: convenient for data saving and software upgrade.
- Net Port: Maximum 32 units bedside monitors to connect the central monitoring system, wired or wireless network supportable

- 8.4" TFT Touch Screen.
- Operating methods: Trim knob/ button, touch screen.
- Advanced patient file management system.
- High capacity storage, power-off data protection.
- Inclined screen for easy observation.

- Complied with CE FDA standards, integrated modular design and aluminum alloy structure guarantee product's safety & stability.
- High standard design, splendid appearance, best craftsmanship.
- I-KLOK™ Intelligent alarm management, automatic-identification of alarm level. Self-adjust proper alarm time to reduce false alarms.
- CMRR≥105 dB, outstanding ECG anti-interference capability.



- **Standard Configuration:** 5-lead ECG, Comen SpO₂, PR, NIBP, RESP, TEMP
- **Optional Configuration:** Masimo/ Nellcor SpO₂, Dual IBP, EtCO₂, Thermal Printer

- OxyCRG: Display the interactive relation between heart rate, respiration and oxygen on the same screen, convenient for observing the clinic change of neonate
- ST analysis, Arr. analysis, Drug-dose calculation.etc