

OKM 860 ICU Monitor



OKM 860 is the new generation of intensive care patient monitor designed & developed by OKUMAN. It's especially designed for ICU/ CCU/ Operation room and trauma care. OKM 860 is equipped with 15" touch screen, handwriting pen, SD card port, USB port, convenient handle, multiple mounting solutions, IPX1 level waterproof cabinet design & sturdy housing to withstand rough handling. OKM 860 fulfills the hardware requirements for intensive care monitoring in multiple environments, efficiently caring for human life every second.



Fixed handle. Brand-new interface design. Handwriting pen, SD card and USB port. Wall mount, rolling stand. 4000mAh Li-ion battery, over 4 hours working time.

Configuration

Standard configuration

- CardioTec™ 12-lead
- ECG PR
- Masimo SpO₂
- AcuTec™ NIBP
- RESP
- TEMP

Option configuration

- Dual-IBP
- qCON / BIS
- AG
- ICG
- Thermal Printer
- Nellcor/ OKUMAN SpO₂
- EtCO₂
- C.O.

Recommended configuration

	Operating Room	ICU	CCU	General Ward
12-lead ECG	✓	✓	✓	×
Nellcor SpO ₂	✓	✓	✓	×
OKUMAN SpO ₂	×	×	×	✓
Side-stream EtCO ₂	✓	✓	✓	×
Mainstream EtCO ₂	✓	✓	×	×
qCON / BIS	✓	✓	✓	×
C.O.	✓	✓	✓	×
IBP	✓	✓	×	×
AG	✓	×	×	×
ICG	✓	✓	✓	×

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Katılım No: OKM OKM 860-001-11-2015-EN

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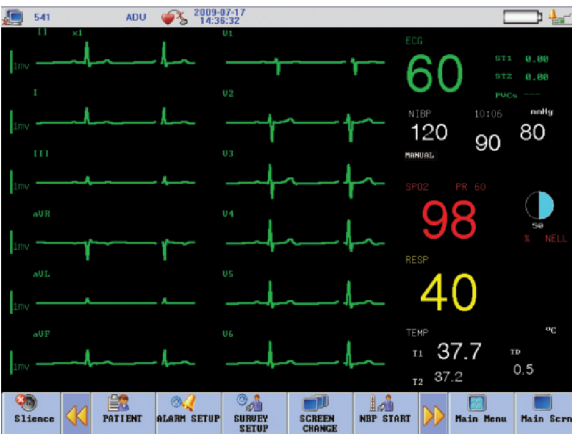
OKM 860
Intensive Care Unit Monitor

OKM 860 ICU Monitor

OKM 860 uses CardioTec™ ECG technology, world leading Masimo technology, high precision AcuTec™ hypertension monitoring technology as standard configuration. OKM 860 incorporates the world's best medical technology for SpO₂ , ICG, EtCO₂ , Anesthesia 2 2 Gas Monitoring from the world's best OEM technology providers like MASIMO, NELLCOR, RESPIRONICS, PHASEIN & MEDIS. Precisely, OKM 860 provides medical professionals with powerful monitoring options and functionality to match the demands of a wide range of care, in any hospital environment.

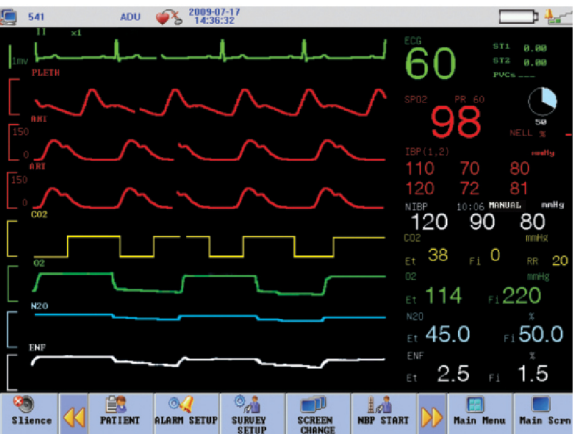
ECG

- CardioTec™ technology 12-lead ECG waveforms synchronously displayed High precision ECG meansurement technology, provides professional diagnosis assistance.
- CMRR≥105dB, outstanding ECG anti-interference capability.
- Support arrhymia analysis & alarm review.



ECG

- 2-channel IBP, monitoring ABP, PAP, CVP, ICP etc.



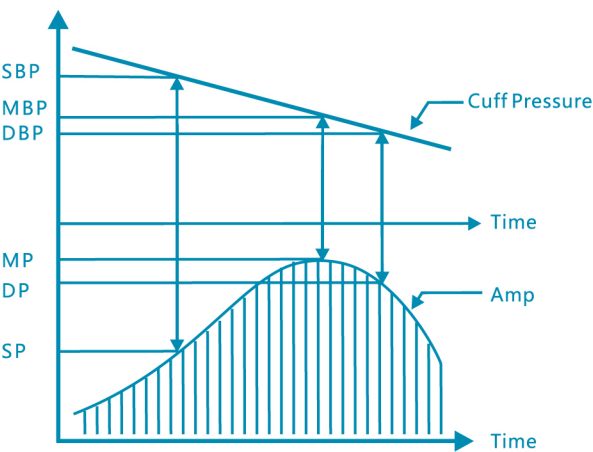
Masimo SpO2

Performance Claim	MasimoSET Pulse Oximeter
SpO ₂ 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
SpO ₂ Accuracy (60-80%)	
Adult/Pediatric (No Motion)	Not Currently Claimed ²
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

OKM 860 ICU Monitor

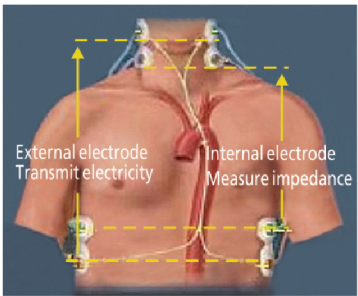
NIBP

- AcuTec™ NIBP technology, high accuracy for hypertension monitoring.



EtCO₂

- Collaborates with US RESPIRONICS, Sweden PHASEIN, 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 CO sensor provides consistent and reliable monitoring of adult, pediatric and neonatal patients.
- Sample rate ≤ 50ml/min(micro-stream).

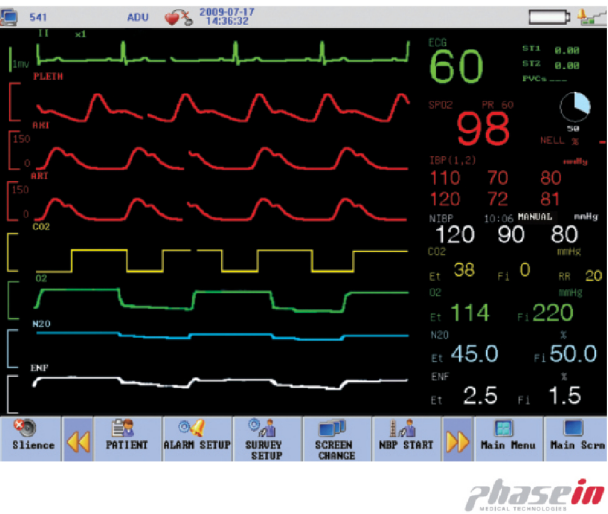


Non-invasive Hemodynamic

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

ECG

- Collaborates with Sweden PHASEIN, adopts the advanced anestheticgas module for monitoring 8 types of gas (O₂ , Co₂ , N₂ O₂ , ENF, ISO, 2 2 2 DES, SEV, HAL). Automatic identification of the anesthetic gas, short time for warm-up, long service life and supports the MAC value (minimum alveolar concentration).



OKM 860 ICU Monitor

Critical time
Seize every second to save life

C.O. (invasive cardiac output) module

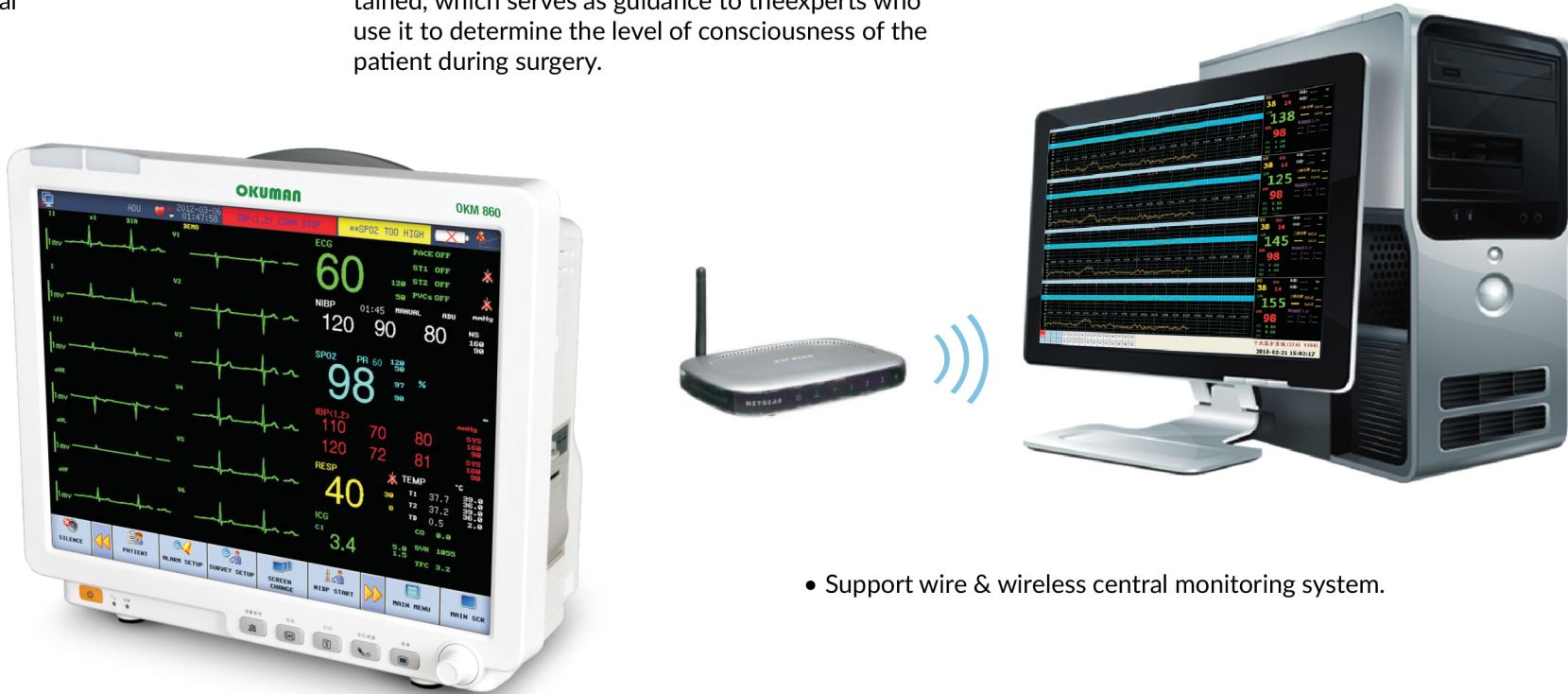
OKM 860 is involved itself in invasive cardiac output technique, but C.O. measurement is conducted with conventional thermo dilution invasive cardiac output and other hemodynamic parameters. The monitor can measure “blood temperature”, “calculating cardiac output”, “calculating hemodynamics”. The cardiac output is measured with floating catheter led from vein to pulmonary artery followed by injecting a certain amount of ice water at 0° (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.

qCON / BIS (Depth of Anesthesia) module

The qCON/BIS module has been designed to be used in the monitoring of the level of consciousness of aperson during the application of general anaesthesia or in intensive care. This is accomplished byregistering the electroencephalographic signal (EEG) by means of surface electrodes which is thenanalyzed by a digital process. As a result of the applied calculation, an index “qCON/BIS” is obtained, which serves as guidance to theeexperts who use it to determine the level of consciousness of the patient during surgery.

Intelligent Alarm

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



- Support wire & wireless central monitoring system.