

COMEN

COMEN · Share with the World.

Electrocardiograph

Fetal Monitoring

Anesthesiology

Patient Monitoring

Product Catalog

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Contents

01 Company Introduction
02 Anesthesiology
05 Patient Monitoring
14 Fetal Monitoring
19 Electrocardiograph

COMEN · Share with the World

- Share progress in technology with the world through innovation
- Share excellence in quality with the world through improvement
- Share consideration in service with the world through management
- Share happiness of health with the world through our contribution

Our Mission : Provide cost effective, reliable and innovative products to the medical market.

Shenzhen Comen medical Instruments Co., Ltd is mainly engaged in R&D, manufacturing, distribution of high level medical equipments, which cover anesthesiology, patient monitoring, fetal monitoring and ECG products series.

Founded in 2002, COMEN is maintaining a sound and rapid development with the group of entreprenant, energetic and well-learned elites. Along with its headquarters in Shenzhen, COMEN has branches and site offices in 28 cities which cover the sales network all over China, and also a distribution network covering over 100 countries worldwide. COMEN is, in the present day, one of the leading manufactures in the anesthesiology monitoring and cardiology field.

We are a ISO13485 certified company, along with CE certification for all our products.
The company has a principle of providing quality and reliable products with good technical support. COMEN is always aiming to build a fair and trustworthy relationship with the distributor network worldwide.

Our value proposition

* Providing our customers with not only competitive prices but also with reliable and innovative products.
* Stressing the importance of customer service - sales and after sale service with great care and guarantee that we meet the customers' needs in every aspect.
* Insuring Quality Control on production lines and final inspection before shipment by our well- trained staff.
* Building a reliable distribution network throughout the world, emphasizing local support and respect of distributor's territories.





Anesthesiology

CE 0197



bilanx AX-700

BILANX SERIES

BILANX series has a compact design, which is suitable for medium and small operating room dual rotating lockable drawers provides enough space to keep the accessories..

SPECIFICATIONS :

- 12.1" Touch screen graphical user friendly interface for ease of operation, wide viewing angle which displays 12 kinds of respiratory mechanics parameters, pv , fv loop diagram and fio2 monitoring ,user observes the patient's lung condition, can also provide anesthesia and CO_2 monitoring.
- Central break or individual breaking system for user convenience.
- Dove tail rails for attaching patient monitor
- Ppsu plastic cabinet, corrosion-resistant, long life , moisture resistant
- Ppsu plastic breathing circuit can withstand high temperature up to 134 degree centigrade & is autoclavable.
- Support ventilation modes - VCV,PCV,PRVC,PSV,SIMV-PV supports adult and pediatric patients, can also provide assistance or spontaneous breathing , which is easy after patient weaning.
- User interface can be programmed as per users choice, color can be defined by user, interface with large fonts, use of proprietory page style navigation, no multi level menu.



O2 , N20 , AIR PIPELINE SUPPLY INLET



Pressure Gauges



Six Tubes Anesthetic Flow meter



BILANX SERIES

BILANX series has a compact design, which is suitable for medium and small operating room dual rotating lockable drawers provides enough space to keep the accessories..

Specifications

- Feature rich prompt information, user can set parameters like patient body weight and the software will automatically confirm the default value based on body weight.
- Accurate electronic flow meters for O_2,N_2O and air to provide accurate fresh gas (pipe flow can be turned off to ensure if the case is still in surgery)
- Low flow anesthesia,
- Electronic PEEP to ensure normal oxygenation of patients
- Dragger vaporizer, VAPOUR 2000 ,the industry's top anesthetic vaporizer to provide accurate anesthetic concentration, with temperature , flow pressure compensation.
- Supports Selectatec Bar for two vaporizer positions.
- Minimum tidal volume down to 20 ml ,which is suitable for pediatric patients
- Anesthesia gas scavenging system
- Power full ,48 hours of TRENDS, POST(power on self test) time is short.
- Battery backup up to 150 minutes
- GUI is simple and quick, with two modes of operation (DAY AND NIGHT MODE), deck lights provides easy night operation.

bilanx AX-600



Dual Lockable Drawers



Inspiratory & Expiratory Flow Sensor





APL Valve, Manual & Mechanical Ventilation Mode Switch Inspiratory & Expiratory Valves , Heated breathing Circuit Snap Type Airway Pressure Gauge



Patient Monitoring

C90



Features:

- 17 inch high resolution LCD touch screen 1280*1024
- Touch –pad and keyboard dual operation and dual assurance
- Built-in lithium cell : to ensure keeping continuity of patient's data during
- Operation with its running time over 4 hours
- Bracket scheme: hanging on wall or putting and external laser printer
- Module conductive contact : gold-plating process, superior conductivity
- Infrared transmission for module data transfer



- BIS VISTATM ECG bispectral index monitoring (depth of anesthesia module)
- Respiratory mechanics module
- CO invasive cardiac output
- ICG noninvasive blood flow dynamics module
- NIBP non-invasive blood pressure technique
- $ETCO_2$ respiration CO_2 module
- AG anesthetic gases module



Cincinnati, Charmill WEDM-LS processing, Kraus Maffei Mold, AL-Zn alloy heat dissipation Module.



built- in handle, 360 visual alarm lamp



SD socket, Multiple USB interfaces, various prots for external devices, external ports management houose.



C90A

Ambulance Transport



- 4.3-inch, 16:9 colorful LCD display, touch screen operation to support modes such as spelling, Wubi and handwriting .
- With double lithium batteries : Built – in 2, 600 mAh lithium battery in C90A and built – in 4,400 lithium battery first and monitoring package, over 8 working hours , support vehicle power.
- Three-level acoustic and optic intelligent alarm and intelligent alarm lamp switching for red , yellow and blue color; Alarm volume also can be adjusted.
- Trend storage & review for 48 hours
- Weight : 1.2 kg ; Portable.
- With Linux operation system.
- 1.2falling resistance.



- Waterproof, vibration & anti- fall.
- The specialized waterproof and anti-shock C90A first aid bag is portable and easy carrying with enough space for first-aid kits.
- Multi-carrying options : carry on shoulder, hung on the stretcher, hung on the ambulance.
- To place first aid and articles in left storage bag and all instrument fittings in right one.



- Multi operation interfaces.
- C90A inherits the concise operation style of COMEN monitor with 9 common shortcut keys, suitable for emergency treatment and first aid.



- Short trend display for 1 hours
- 100ARR alarm record review.
- II channel ECG waveforms review for 5 minutes.



- To exchange data with C90 modular.
- C90A can be used as C90modular monitor with module access.

C80

ICU / CCU/OR Monitor- Touch Screen

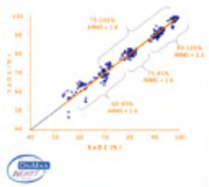
C80 uses COMEN CardioTec™ 12-lead ECG,
AcuTec™ NIBP technology as standard configuration. Also,
it incorporates world's leading technology for SPO_2, $EtCO_2$, ICG,
AG, IOC from the best medical technology providers, like Nellcor,
Masimo, Bioz, Respironic, Phase-in, Quantium. Precisely,
C80 provides medical professionals with powerful monitoring optionsand
functionally to match the demands of a wide range of care,
in any hospital environment.



Features:

- IPX1 level waterproof cabinet design & sturdy housing
- 12.1 inch color TFT touch screen
- Various interface-Standard display, Big font display,
  9 waveforms display, trends graph display,
  OxyCRG display
- Multi-language and handwriting support
- Special NIBP socket dust shield
- 7-Lead ECG or 12-lead ECG analysis
- $EtCO_2$ socket reserved, support hot plugging
- Multi-expanded functions reserved, such as SD,
  USB and Network socket
- Wire/wireless ICU / CCU / OR central monitoring system











C60

Specialized Neonatal Monitor- Touch Screen



Share the human touch brought by
versatile Neonatal Monitor, when the life begins

Features:

- 8.4" touch screen, lightweight (2.5kg)
- Various interfaces：Standard display, Large-font display,
  6-Lead ECG waveforms display, 2-hours trends graph display,
  OxyCRG display
- 96-hours trends graph recall , 96-hours trends table recall,
  400-groups of NIBP list, 60 alarm events
- Arrhythmia and S-T segment analysis, drug dose calculation
- Built-in Rechargeable Li-ion battery, 4 hours working time
- ExNeo TM ECG technology for precise ECG measurement
- Adap-DSPTM technology to ensure more accurate NIBP measurement
- OxiMax® SpO_2 system, SatSeconds™ intelligent
  alarm management technology
- Unique Neonatal Apnea Self-saving function,
  by using the specialized Vibro Acoustic Simulator
- Optional Oxygen Concentration Sensor to monitor the
  oxygen concentration variation of the Incubator
- Specialized accessories for caring newborn babies
- Wire/wireless NICU central monitoring system

Standard Configuration
ECG/HR, Nellcor/Masimo SpO_2, PR, NIBP, RESP, TEMP, Bedrail Hook

Optional Configuration
Dual TEMP, Thermal Printer, Mainstream/Sidestream $EtCO_2$,
IBP, Vibro Acoustic Simulator, Oxygen Concentration Sensor









C50

High Standard beside Monitor-Touch Screen



Features:
- 10.4" TFT Touch Screen display
- IPX1 level waterproof design, good performance in various environment
- Inclined screen design for easy observation
- 4000mAh Li-ion batteries, above 4 hours working time
- With functions like ARR analysis, RESP Apnea Alarm, OxyCRG
- Interfaces: SD card, USB network, VGA
- Special NIBP socket with dustproof cover design
- 7-Lead ECG or upgradeable 12-lead ECG analysis
- Arrhythmia and S-T segment analysis, drug dose calculation

Standard Configuration
ECG/HR, SpO_2, PR, NIBP, RESP, TEMP, RR, $EtCO_2$ socket reserved

Optional Configuration
Dual TEMP, Thermal Printer, Nellcor/ Masimo SpO_2 ,
12-lead ECG, IBP, Mainstream/ Sidestream $EtCO_2$, C.O.







STAR8000

Multi-parameter Patient Monitor



Features:
- 12.1 inch high-resolution TFT display
- Simple, lightweight, compact design
- Standard Interface, Big Font Interface
- Single-level menu selection for all settings
- Large alarm light, 3-level audio/visual alarm
- Special trim knob position, NIBP dust shield design
- Built-in rechargeable battery, up to 4 hours continuous work
- Basic functions concentration, durable and stable
- Easy operation, suitable for general wards monitoring

Standard Configuration:
ECG / HR/SpO_2 / PR/NIBP / RESP / TEMP

Optional Configuration:
Thermal Printer, Wire/wireless Central Monitoring Station






STAR8000C

Multi-parameter Patient Monitor



Features:
- 12.1 inch color TFT dispaly
- 12-lead ECG analysis and waveforms display simultaneously
- Various interface：standard display, big font display, 9 waveforms display, trends graph review display, OxyCRG display
- Arrhythmia and S-T segment analysis, drug dose calculation
- $EtCO_2$ Socket Reserved, plug & play for future use
- Nurse call connection available
- 3-level audio/visual alarm, alarm limit display
- Built- in rechargeable Lithium-ion battery

Standard Configuration
12-lead ECG/HR, SpO_2, PR, NIBP, RESP, TEMP, $EtCO_2$ Socket

Optional Configuration
Dual TEMP, Thermal Printer, Nellcor / Masimo SpO_2, IBP, Mainstream / Sidestream $EtCO_2$

STAR8000D

Multi-parameter Patient Monitor



Features:
- 12.1 inch Color TFT display
- 7-lead ECG waveforms display simultaneously
- Arrhythmia and S-T segment analysis, drug dose calculation,
- Manual, Automatic, Alarming recording modes
- 3-level audio/visual alarm, alarm limit display
- Built-in rechargeable li-ion battery

Standard Configuration
ECG/HR, SpO_2, PR, NIBP, RESP, TEMP

Optional Configuration
Dual TEMP, Nellcor SpO_2, Thermal Printer, IBP
Main stream/Sidestream $EtCO_2$



STAR8000A

Multi-parameter Patient Monitor

Features :
- 12.1 inch color TFT display
- 96 hours storing and replaying of trends graphic
- 90 minutes capturing and replaying of ECG waveform
- 2 hours short trend interface
- Simple single-level menu operation

Standard Configuration
ECG/HR , SpO_2 , PR, NIBP, RESP, TEMP

Optional Configuration
Thermal Printer, Wire/wireless Central Monitoring Station

STAR8000B

Multi-parameter Patient Monitor



Features :
- 12.1 inch color TFT display
- 7-lead ECG waveforms display, big font display
- 400 group lists of NIBP storage and review
- S-T segment analysis, arrhythmia analysis
- Optional Respironics $EtCO_2$ measurement
- Optional Nellcor SPO_2

Standard Configuration
ECG/HR , SpO_2 ,PR, NIBP, RESP, TEMP

Optional Configuration
Dual TEMP, Nellcor SpO_2, Thermal Printer, IBP,
Mainstream / Sidestream $EtCO_2$



STAR5000D

Fetal Monitor-Touch Screen



Features:

- 6.5 inch TFT touch screen display
- Folding up screen for multi-angle observation
- Built-in 152mm width thermal printer
- Quick release button for paper replacement
- Timing monitoring function to avoid over- time monitoring
- FHR signal strength indicator, twins cross channel verification
- 12 crystal wide pulse wave waterproof transducer
- High speed fetal waveform replay printing
- Automatic fetal movement measurement
- Automatic fetal status scoring system
- Automatic detection for all sensors, easy & flexible connection
- Compatible with COMEN central monitoring system

Standard configuration
FHR, TOCO, FM, AFM, Thermal Printer

Optional configuration
Twins, Fetal Acoustic Stimulator







CE 0434

Fetal Monitoring

STAR5000C

Fetal & Maternal Monitor-Touch Screen



Features:
- 12.1 inch TFT touch screen display
- Folding-up screen for multi-angle observation
- Suitable for antepartum, intrapartum and postpartum applications
- 3- parameter interface, 9- parameter interface, big font interface
- High sensitive waterproof FHR transducer
- Auto/Manual fetal movement marker
- Automatic fetal status scoring system
- Built-in 112mm Thermal Printer
- Compatible with COMEN central monitoring system

Standard Configuration
FHR, TOCO, FM, AFM, MECG, MHR, $MSPO_2$, MRESP, MTEMP, MRESP

Optional Configuration
Twins

STAR5000

Fetal Monitor-Touch Screen



- 12.1 inch TFT display
- Folding-up touch screen for multi-angle observation
- Standard, big font, parameter list interfaces
- High sensitive waterproof FHR transducer
- Built-in 112mm Thermal Printer
- 120 hours full data review
- Automatic fetal status scoring system

Standard Configuration
FHR, TOCO, FM, AFM, Thermal Printer

Optional Configuration
Twins



STAR5000E

Fetal Monitor

Features:
- 5.7" inch TFT LCD screen
- Built-in112mm thermal printer
- quick release button for paper replacement
- Built-in Lithium-ion battery , above 4 hours working time
- Manual/automatic FM measurement
- Automatic fetal status scoring system
- FHR signal strength indicator, twins cross channel verification
- Power-off data protection for 300cases.
- 60 hours real-time waveform replay & storage
- Timing monitoring function to avoid aver time monitoring
- Support timing printing
- Compatible with COMEN central monitoring system

Standard configuration
FHR, TOCO, FM, Thermal Printer

Optional configuration
Twins







STAR8800

Single/Dual Screen Central Monitoring System

Features:

- Wire & wireless central monitoring system
- Single & Dual screen central monitoring solution
- Standard TCP/IP network interface
- Single screen for monitoring 16 bedside moitors
- Dual Screen for monitoring 32 bedside monitors
- Bi-directional communication to realize mutual control of central monitor and bedside monitor
- Large storage capacity: 720 hours full disclosure waveforms review, 1240 hours trends graph review, 1000 alarm records review, 50000 patient historical data
- Display waveforms and data of parameters ECG, SpO_2, RESP, NIPB, IBP, CO_2, CO, FHR, TOCO, FM
- Compatible with COMEN Patient Monitor, Fetal Monitor, Fetal & Maternal Monitor
- User-friendly software design, easy operation, high concentration data management





Electrocardiograph

CE 0434

CM1200

12-Channel Electrocardiograph-Touch Screen



Features:

- 12.1 inch TFT color folding-up touch screen
- Support multi-language, printing preview ,diagnosis results edited
- Sleep/wake up mode for saving energy and extending LCD life
- Lead status display
- Alphanumeric keyboard, support hand-writing patient information input
- Pace-maker detection, anti-defibrillation
- Automatic measurement and interpretation
- 10,000 ECG internal memory
- 122 kinds of arrhythmia analysis
- Last 120 seconds 12-leads waveforms reviewable and recordable
- 216/210mm thermal printer, support rolling paper, Z-folded A4 size paper
- External printer and data transmission support by USB port
- Optional Network Capability
- VCG: World leading VCG technology



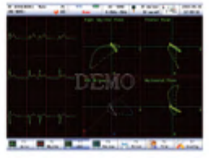
Intelligent Calibration Recording



12.1 inch color TFT touch screen



10000 ECG memory



VCG technology



CM1200A

12-Channel Electrocardiograph-Touch Screen



Features:

- 8.4 inch（resolution : 800* 600）color TFT display
- Supporting multi-language operation and information input
- Preview before printing
- 12-lead acquisition and amplification, 12 ECG waveforms recording simultaneously, all-digital and full-floating design
- 1:1 ratio for LCD screen waveforms and output waveform , net-grid on screen for easier observation
- Up to 122 kinds of arrhythmia analysis
- Manual / Auto / Rhythm working modes selectable
- Big button design , Individual Alphanumeric keyboard
- AC / DC power supply, built-in battery to support uninterrupted working up to 2 hours
- 300 ECGs storage and review, capable to expand the internal memory by USB and transmit the Data by Net port
- Various printout formats , support 210mm, 216mm Roller and Z-folded paper









CM1200B

12-Channel Electrocardiograph



Features:

- 5.7 inch single color screen
- Lead status display
- Numeric keyboard, keylight design for night use
- Automatic measurement and interpretation tested
- 300 ECG internal memory
- 122 kinds of arrhythmia analysis
- Last 120 seconds 12-leads waveforms reviewable and recordable
- Support 210mm rolling paper, Z-folded paper
- External printer and data transmission support by USB port
- Optional ECG working station
- Basic economic model

CM600

6-Channel Electrocardiograph



Features:

- 5.7 inch TFT LCD screen
- Leads status diagram to show leads connectivity
- Alphanumeric keyboard
- Automatic measurement and interpretation
- 300 ECG internal memory
- Last 120 seconds 12-leads waveforms reviewable and recordable
- 110mm Z-folded thermal recording paper
- External printer and data transmission support by USB port
- Keypad backlight
- Optional Network Capability to PC-ECG







CM300

3-Channel Electrocardiograph



Features:

- High resolution LCD screen 320 × 240
- 12-leads ECG simultaneous acquisition
- Built-in 80mm thermal printing mechanism
- Lead status display
- Complete digital filters, resisting baseline drift
- Automatic ECG measurement and interpretation
- 3 printing mode (Auto, Manual, and Rhythm) selectable
- 1 / 2 / 3 channel ECG waveform and rhythm leads record out
- 150 electrocardiograms in internal memory
- Optional Network Capability to PC-ECG
- Data import/output by USB

CM100

Single Channel Electrocardiograph



Features:

- Complete digital design
- High resolution LCD screen 192 × 64
- 12-leads ECG simultaneous acquisition
- Complete digital filters, resisting baseline drift
- Automatic measurement and interpretation
- Built-in 50mm thermal printing mechanism
- 150 electrocardiograms in internal memory
- Built-in rechargeable Lithium-ion battery
- Optional PC-ECG working station, data transmission by USB



STAR8000D-V

Portable Veterinary Monitor

Feature :

- 1-channel/3-channel veterinary ECG machines selectable
- LCD display waveforms, parameters configurable
- Strong detection for all ECG signals
- High-resolution thermal printing
- Special Veterinary software and accessories





C60-V

Features:

- channel/3-channel veterinary ECG machines selectable
- LCD display waveforms, parameters configurable
- Strong detection for all ECG signals
- High-resolution thermal printing
- Special Veterinary software and accessories



CM300-V



CM100-V



Accessories







Wall mount







Trolley



