yonker CE

E12

Multi-parameter Patient Monitor

Monitor ECG, SpO2 , NIBP, RESP, TEMP, PR and HR.

Can be upgraded to separate modules

Unique appearance design

Language： Support multi-languauge, including Spanish

TECHNICAL SPECIFICATIONS

Quality Standards and Classification

CE, ISO13485
SFDA: Class Ⅱb
Anti-electroshock degree:
Class Ⅰ equipment
(internal power supply)
TEMP/SpO 2 /NIBP: BF
ECG/Resp: CF

Application Range

Adult/Pediatric/Neonatal/Medicine/Surgery/
Operating Room/ICU/CCU

Display

12.1"real color TFT screen
Resolution: 1024x768
One alarm indicator(yellow/red)
One working indicator(green)
One battery charge state indicator(green)
Three modes in accordance with the alarm state

Environment

Operating environment :
Temperature: 0 ~ 40 ℃
Humidity: ≤85%
Altitude: -500 ~ 4600m
Transport and Storage environment :
Temperature: -20 ~ 60 ℃
Humidity: ≤93%
Altitude: -500 ~ 13100m

Power Requirements

AC: 100 ~ 240V, 50Hz/60Hz
DC: Built-in rechargeable battery
Battery: 2000mA 11.1V lithium battery
2h operating after full charge(one piece)
5min operating after low battery alarm

Dimension and Weight

Equipment:
300mm x286mm x155 mm ; 4.5kgs
Package:
350mm x380mm x300mm; 6.5kgs

Date Storage

Trend diagram/table: 7x24h
NIBP review: 400 events
Wave review: 100min
Alarm review: 100 alarm events
Support drug concentration titration analysis

ST Segment

ST Segment Range: -2.0mV ~ +2.0mV
Accuracy: 0.02mV

ECG

5 Leads: RA, LA, LL, RL, V
Lead mode: Ⅰ, Ⅱ, Ⅲ, aVR, aVL, aVF, V
Increase: ×250、×500、×1000、×2000
Sensitivity: > 200 uV (Peak-to-peak value)
Input impedance: > 5 (megohm)
Bandwidth: Surgery 1 ~ 20 Hz
Monitor 0.5 ~ 40 Hz
Diagnostic 0.05 ~ 130 Hz
CMRR: ≥ 100dB
Polarization Voltage: ± 300mV
Baseline Recovering Time: After defibrillation< 3 seconds
Signal Range: 8 mV （Peak-to-peak value）
Calibrating Signal: 1mV，precision ±5%
Heart rate range：15-380bmp
Heart rate accuracy:+/-1%

RESP

Method: RA-LL impedance
Resp Impedance range: 0.3 ~ 3 Ω
Base Impedance range: 200 Ω ~ 4000 Ω
Bandwidth: 0.1 ~ 2.5Hz
Resp rate: Adult 0 ~ 120BrPM
Neonatal/Pediatric 0 ~ 150BrPM
Resolution: 1BrPM
Precision: ±2 BrPM
Asphyxia Alarm: 10～40 seconds

NIBP

Method: Pulse wave oscillometry
Work mode: Manual/ Auto/ STAT
Measure interval of auto mode:
1,2,3,4,5,10,15,30,60,90,120,180,240,480 minute(s)
Measuring Time of STAT Mode: 5 minutes
PR range: 30 ~ 250bpm
Measure & alarm range: Adult
SYS 40 ~ 270mmHg
DIA 10 ~ 215mmHg
MEAN 20 ~ 235mmHg
Pediatric
SYS 40 ~ 200mmHg
DIA 10 ~ 150mmHg
MEAN 20 ~ 165mmHg
Neonatal
SYS 40 ~ 135mmHg
DIA 10 ~ 100mmHg
MEAN 20 ~ 110mmHg
Static pressure range: 0 ~ 300mmHg
Precision: ± 3mmHg
Pressure precision:
Max. average error: ±5mmHg
Max. standard deviation: ±8mmHg
Overvoltage protection:
Adult 300mmHg
Pediatric 240mmHg
Neonatal 150mmHg

SpO_2

Range: 0 ~ 100%
Resolution: 1%
Precision: 70% ~ 100%: ±2 DIGIT
0% ~ 69%: ±no definition given

Pulse Rate

Range: 20 ~ 300bpm
Resolution: 1bpm
Precision: ±3bpm

TEMP

Channel 2
Measure & alarm range: 0 ~ 50 ℃
Resolution: 0.1 ℃
Precision (no sensor): ±0.1 ℃

Standard accessories

- NIBP cuff & tube
- ECG cable & electrodes
- SpO2 sensor
- TEMP probe
- Lithium-ion battery
- Power cable
- Operator's manual

Optional accessories

- CO2 module
- IBP module
- Touch screen
- Trolley bracket
- Hanging bracket
- Monitor recorder
- Wifi
- Operation time 2 hours

IBP

Label ART, PA, CVP, RAP, LAP, ICP, P1, P2
Measuring and alarm range
ART 0 ~ 300 mmHg
PA -6 ~ 120 mmHg
CVP/RAP/LAP/ICP -10 ~ 40 mmHg
P1/P2 -10 ~ 300 mmHg
Press Sensor
Sensitivity 5 uV/V/mmHg
Impedance 300-3000Ω
Resolution: 1 mmHg
Accuracy: ±2% or ±1mmHg, which great
Actualization interval: about 1 Sec.

CO2

Side/Main stream
Warm-up time:
when the ambient temperature is 25 ℃, the carbon dioxide curve (capnogram) can be displayed within 20/15 seconds, and all the specifications can be fulfilled within 2 minutes.
Measurement range:
0-150mmHg, 0-19.7%,0-20kPa (at 760mmHg), atmospheric pressure provided by the host.
Resolution 0.1mmHg： 0-69mmHg
0.25mmHg： 70-150mmHg
Precision 0-40mmHg： ±2mmHg
41-70mmHg： ±5%（reading）
71-100mmHg： ±8%（reading）
101-150mmHg：±10%（reading）
Respiratory rate range 0- 150 BPM
Respiratory rate accuracy: ±1 BPM

NOTE：The specifications are subject to changes without prior notice.

AUTHORIZED AGENT

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yonker

HEALTH

E12

E12

E12 Plug-in Patient Monitor

Flexible Modular Design and Comprehensive Monitoring

E12

12.1"TFT LCD.Resolution:800*600 Module

For all E series modular monitor:
Standard Config: 3/5 lead ECG. RESP. SpO2, PR, NIBP, 2-Temp, Lithium Battery
Option Module:2-IBP, Nellcor Spo2, Maslimo Spo2, Sidestream/Microflow/Mainstream EtCo2, Mainstream /Sidestream C.O.
Other option:9 lead ECG, Printer, Rolling stand, Wall mount, VGA, WIFI, SD Memory card, Touch Screen

Microstream/MainstreamEtCO2
SidestreamEtCO2

Sidestream/Microstream/Mainstream EtCO2 is optional.Various option can be suitable for intubated patient, ventilation relied patient, non-intubated patient.

2-IBP

2-IBP measurement with waveform, Systoic, Diastolic, Mean Pressureon ART, CVP, ICP, PA, LAP etc to fulfill different positions invasive blood pressure measuring demands.

C.O.

Enables hemodynamic monitoring using thermo dilution method. Provides an important measurement of the blood flow and oxygen delivery to the tissues.

New streamlined appearance design possesses modernized style and beautiful shape

360 degree visible three-level alarm for physiology & technology

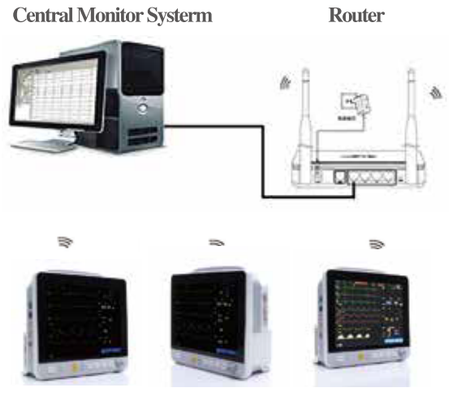
High resolution color LCD touch screen & user-friendly display interface meet clinical requirements to operate and observe

Brand new user operation software , unlimited upgrade functions, perfect user experience

IE Series achieve long time monitoring, inside board also can change to separtate board : ECG Board ,Spo2 board,NIBP Board to achieve high accuracy

Low power consumption & fanless design can achieve high requirements of dust-off & without noise& pollution-free in clinical departments.

Optimized circuit design, reduce energy consumption, Battery run time increase 25%



WIFI with smart IT solutions

- **Wireless integration with Central Monitoring Station**
- **Dynamic trends provide up to 240 hours of useful information for review**
- **8 traces per monitor and 16 monitors on one screen**
- **View up to 32 maximum bed on one platform in real-time**
- **Review and manage patient data anytime and anywhere in and pre-hospita**