



yonker



# E15

## Multi-parameter Patient Monitor

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

Can be upgraded to separate modules  
Unique appearance design



### TECHNICAL SPECIFICATIONS

#### Quality Standards and Classification

CE, ISO13485  
SFDA: Class II b  
Anti-electroshock degree:  
Class I equipment  
(internal power supply)  
TEMP/SpO2/NIBP: BF  
ECG/Resp: CF

#### Application Range

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

#### Display

15" 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 °C  
Humidity: ≤85%  
Altitude: -500 ~ 4600m  
Transport and Storage environment :  
Temperature: -20 ~ 60 °C  
Humidity: ≤93%  
Altitude: -500 ~ 13100m

#### Power Requirements

AC: 100 ~ 240V, 50Hz/60Hz  
DC: Built-in rechargeable battery  
Battery: 4000mA 11.1V lithium battery  
2h operating after full charge(one piece)  
5min operating after low battery alarm

#### Dimension and Weight

Equipment:  
360mm x162mm x321 mm ; 4.5kgs  
Package:  
420mm x380mm x285mm; 7.5kgs

#### 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%

#### 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: 40 ~ 240bpm  
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

#### SpO2

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 °C  
Resolution: 0.1 °C  
Precision (no sensor): ±0.1 °C

#### 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

#### 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 °C, 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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