

# W12/W15 Series Patient Monitor

Intensive care/Sub-intensive care

12.1inch

15.6inch



## Overview

The W12/W15 series patient monitor series are designed to meet daily clinical needs and seamlessly integrate into the hospital workflow. Modular design, Module interface can meet the needs of different parameters according to the clinical choice module. A variety of monitor models have more and more accurate practical clinical application values. In acute care, patient monitors must be reliable, easy to use, have advanced parameters, and allow access to data when needed. When transporting patients, the equipment should be easy to carry. The W12/W15 series of patient monitors are lightweight, powerful, and intuitive in user interface. They are the best choice for acute, in- and out-of-hospital transfers.



HD Display



Touch Screen



Silence



Intelligent Setting



Easy Clean



More Readable

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## Features

- > The monitor adopts a modular design and a compact structure to meet the needs of various different parameter detections. It is suitable for adults, children and newborns.
- > Standard parameters: SpO2, 12leads ECG, PR, HR, RESP, NIBP, 2\*TEMP.
- > Optional parameters: EtCO2, 2\*IBP, CO.
- > 12.1inches/15.6inches colour LED screen with touch screen and /or rotator knob.
- > Upgradable module is interchangeable (plug and play type).
- > Capable to visualize 6 or more waveform. Support colour coding for different waveform.
- > ST segment analysis with ST trend with continuous display of ST value on screen.
- > Multiple screen layout to view big font size in numeric and waveform.
- > Trending facilities for upto 360 hours of both graphical & numerical along with eventreview facility for all parameters and full waveform disclosure facility.
- > Different visual alarm with colour coding and audible alarms for variousparameters with three levels of volume adjustment.
- > Support HL7 protocol to access the central workstation Energy-saving, low-power design, extending battery life Configure noise reduction fan to ensure a quieter and cleaner environment Arrhythmia detection and analysis in various leads.
- > A inbuilt battery backup of 4 hours.

EEG Ai

Resp CO2  
AG

ECG SPO2  
IBP/NIBP TEMP  
PR



EEG and Ai Monitor Optimizing Anesthesia Delivery with Ai™ Monitoring

Patented CapnoSET and TiniStream technology

Excellent ECG analysis and Anti-motion NIBP & SPO2 Algorithm

### Multi-scenario application: Intensive care/Sub-intensive care





Plug-in Modular



- > Sidestream CO2+2IBP+CO
- > Sidestream CO2+2IBP
- > Sidestream CO2+EEG Wave
- > Sidestream CO2+Ai(Depth of anesthesia)
- > Sidestream CO2
- > Mainstream CO2
- > TiniStream CO2
- > 2 IBP+CO
- > Ai(Depth of anesthesia)
- > 2 IBP
- > EEG wave
- > CO

## Cential Monitoring System

Cential Monitoring System supports up to 64 beds or 64 patients across clinical units at the same time.

72 hours of 64-channel holographic physiological waveform storage and review.

Provides review of up to 240 hours trend data storage, 720 alarm events per beds.

Bi-directional communication with W12/W15 Series monitors for enhanced patient care.



W15



W12

x64\*

## Physical Parameter

Dimensions : 15.6 inch (38cm\*15cm\*30cm)

12.1 inch (30cm\*15cm\*30cm)

Weight : 5.0kg (Including battery,built-in module)

Screen size:12.1inch and 15.6inch



## Specifications

### SPO2

SPO2 Range: 0~100%

SPO2 Accuracy : 70~100%, $\pm 2\%$  <70%,Undefined

PI Range : 0~20%

PVI Range : 0.001%

PR Range : 25-250bpm

PR Accuracy :  $\pm 2$ bpm or  $\pm 2\%$ (whichever is greater)

### ECG

ECG Range : 0.15~5.5mV

ECG Resolution : 2.36uV/LSB

HR Range : 15~300bpm(adult) 15~350bpm(child/neonate)

HR Accuracy :  $\pm 1$ bpm or  $\pm 1\%$  (whichever is greater)

RR Range : 0~120bpm

RR Accuracy : 15~120rpm :  $\pm 2$ rpm or  $\pm 2\%$  <15rpm:Undefined

### TEMP

Range 0-50°C

Accuracy  $\pm 0.1^\circ\text{C}$

Resolution 0.1°C

## NIBP

|                   |                                                                                 |                      |                    |
|-------------------|---------------------------------------------------------------------------------|----------------------|--------------------|
| Pressure Range    | 0~300mmHg                                                                       |                      |                    |
| Pressure Accuracy | $\pm 2\text{mmHg}$ or $\pm 1\%$ of reading (take the larger value)              |                      |                    |
| Resolution        | 1mmHg                                                                           |                      |                    |
| SYS Range         | Adult:40-270mmHg                                                                | Pediatric:40-200mmHg | Neonate:40-130mmHg |
| DIA Range         | Adult:10-210mmHg                                                                | Pediatric:10-162mmHg | Neonate:10-90mmHg  |
| Mean Range        | Adult:20-230mmHg                                                                | Pediatric:20-170mmHg | Neonate:20-100mmHg |
| Accuracy          | The mean deviation $< \pm 5\text{mmHg}$ The standard deviation $< 8\text{mmHg}$ |                      |                    |

## IBP(Optional)

|                |                                                       |  |  |
|----------------|-------------------------------------------------------|--|--|
| Pressure Range | -50~350mmHg                                           |  |  |
| Accuracy       | $\pm 3\text{mmHg}$ or $\pm 1\%$ of reading            |  |  |
| PR Range       | 25-250bpm                                             |  |  |
| PR Accuracy    | $\pm 2\text{bpm}$ or $\pm 2\%$ (whichever is greater) |  |  |

## CO(Optional)

|          |                 |  |  |
|----------|-----------------|--|--|
| Range    | 0.20~20.00L/Min |  |  |
| Accuracy | $\pm 5\%$       |  |  |

## EtCO<sub>2</sub> (Optional)

|                          |                                                                                                                |  |  |
|--------------------------|----------------------------------------------------------------------------------------------------------------|--|--|
| CO <sub>2</sub> Range    | 0~20.0vol%                                                                                                     |  |  |
| CO <sub>2</sub> Accuracy | 0~12vol%: $\pm(0.2\text{vol}\%+2\%\text{ of reading})$ 12~20vol%: $\pm(0.2\text{vol}\%+6\%\text{ of reading})$ |  |  |
| AwRR Range               | 0~150rpm                                                                                                       |  |  |
| AwRR Accuracy            | mainstream:0~150rpm, $\pm 1\text{rpm}$ Sidestream:0~69rpm, $\pm 1\text{rpm}$ 70~150rpm, Undefined              |  |  |





## SPO2

Patent Patent No: ZL 2019 1 0907433.8  
ZL 2019 2 1510989.5  
ZL 2019 2 1596814.0

## RESP

Patent Patent No: ZL 2014 1 0429201.3  
ZL 2014 2 0489133.5  
ZL 2021 2 0480587.6

## EtCO2

Patent Patent No: ZL 2018 1 0713045.1  
ZL 2018 1 0713152.4  
ZL 2020 2 1177039.8  
ZL 2019 2 0722093.7  
ZL 2017 2 0804416.8  
ZL 2017 2 0293754.X

## ECG

Patent Patent No: ZL 2015 0484280.2  
ZL 2019 1 0064711.8  
ZL 2017 1 0691935.2  
ZL 2021 2 0480587.6

## Software copyright patent

Patent No: 2017SR076521

## Appearance patent

Patent No: ZL 2015 3 0297516.2

\* The data is subject to change without notice. Please refer to the manual for the contraindications and precautions

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