

Technical Specifications

ECG	
Input dynamic range:	±(0.5mVp~5mVp)
Differential input impedance:	≥10MΩ
Bandwidth:	0.05~150Hz (Diagnostic) 0.5~40Hz (Monitoring) 1~20Hz (Operation)
CMRR:	≥90dB (Diagnostic) ≥105dB (Monitoring & Operation)
Sensitivity selection:	×1/8, ×1/4, ×1/2, ×1, ×2, ×4, Auto
Sweeping speed:	6.25mm/s, 12.5mm/s, 25mm/s, 50mm/s
HR measuring range:	15~350bpm
HR accuracy:	±1% or ±1 bpm, whichever is greater
Pacemaker pulse detection and rejection function	

RESP	
Measuring range:	Adult:0 rpm-120 rpm Pediatric and neonate: 0 rpm-150 rpm
Measuring accuracy:	Adult: 7-120 rpm: ±2 rpm or ±2%, whichever is greater Pediatric/neonate: 7-150 rpm: ±2 rpm or ±2%, whichever is greater 0-6 rpm: not defined

TEMP	
Measuring range:	0~50 ℃
Measuring accuracy:	±0.1 ℃

NIBP	
Technique:	Oscillometric method
Typical measurement time:	<30 seconds (adult cuff)
NIBP measuring range:	SYS: 25-290mmHg (Adult) 25-240mmHg (Pediatric) 25-140mmHg (Neonate)
NIBP measuring range:	DIA: 10-250mmHg (Adult) 10-200mmHg (Pediatric) 10-115mmHg (Neonate)
NIBP measuring range:	MAP: 15-260mmHg (Adult) 15-215mmHg (Pediatric) 15-125mmHg (Neonate)
NIBP measuring accuracy:	Mean difference: ±5mmHg Standard deviation: 8mmHg
NIBP measurement mode:	Manual, Auto, STAT, Multi-cycle mode
Auto measuring intervals:	1-480min

SpO2	
Technique:	Dual-wavelength optical method
Measuring range:	0%~100%
Measuring accuracy:	Arms is not greater than 2% for SpO2 range 70~100%.
PR measuring range:	30~250bpm
PR measuring accuracy:	±2bpm or ±2%, whichever is greater
Low perfusion performance:	As low as 0.3%.

CO2	
Technique:	Infrared optical method
Sampling mode:	Sidestream or Mainstream
Measuring range:	0~150mmHg 0~40mmHg ±2mmHg 41~70mmHg ±5% of reading 71~100mmHg ±8% of reading 101~150mmHg ±10% of reading
Measuring accuracy:	
Flow rate:	50ml/min ±10 ml/min (Sidestream)

Cerebral State Monitoring (CSM)	
EEG sensitivity:	±400μV
Noise level:	<2μVp-p, <0.4μV rms (1~250Hz)
CMRR:	>140dB
Input impedance:	>50Mohm
CSI and update:	0-100, filter: 6-42Hz, 1 sec. update
EMG%:	0-100 (logarithmic) filter: 75-85 Hz, 1 sec. update.
BS%:	0-100, filter: 2-42 Hz, 1 sec. update

IBP	
Technique:	Strain gauge transducer
Input sensitivity:	5μV/mmHg
Measuring range:	-50~300mmHg
Measuring accuracy:	±2% or ±4mmHg, whichever is greater
Measuring positions:	ART, RAP, PA, LAP, CVP ICP, AUXP1, AUXP2
Calibration:	Zero calibrating

Cardiac Output (C.O.)	
Blood temperature measuring range:	23-43 ℃, accuracy: ±0.5 ℃
Injecta temperature measuring range:	0-20 ℃, accuracy: ±0.5 ℃
Measuring range:	0.2~20 L/min
Measuring accuracy:	±0.2 L/min or ±10%, whichever is greater

Other Specifications	
Power supply:	AC 100V-240V, 50/60Hz, 60VA
Built-in lithium battery:	11.1V/4400mAh
Display:	12.1 inch TFT display resolution 800*600
Alarming method:	3 levels audible-visible alarm
Networking:	Ethernet

Standard configuration	
ECG, Respiration, SpO2, PR, NIBP, Temperature	

Options	
2-IBP, EtCO2, Nellcor SpO2, SunTech NIBP, 12-lead ECG AG, YSI Temp Cardiac Output, Cerebral State Monitoring, CMS, Touch Screen,Wifi	

K12 Patient Monitor



K12

Patient Monitor



12.1" display with LED backlight
9-waveform on screen
Lockable design

360-degree visible indicator
with 3-level alarm



Li-ion battery up to 4 hours
continuous monitoring

Integral 3-channel
thermal recorder



Accessory box for standard configuration



Parameter case for optional parameters

Features



12.1" high resolution display
Touch screen optional



User customized NIBP measuring
cycles up to 5-phase



Versatile clinical calculations for
application convenience



Large capacity: 12000 NIBP
records; 2000h trends;
2000 events



9 traces on-screen waveforms
and maximal up to 13



Data export and software upgrade



Support HL7 protocol and bed to
bed observation



Support EWS, QT/QTc calculation
and Glasgow Coma Scale

Comprehensive calculations for clinical application

- ★ Hemodynamics calculation
- ★ Respiration calculation
- ★ Oxygenation calculation
- ★ Drug concentration calculation
- ★ Renal function calculation



Optional Accessories



- ★ Support connection with
barcode scanner via USB
- ★ Support YSI esophageal/skin
and KRK esophageal
temperature probe



SpO2 sensor



NIBP cuff



ECG cable



Temperature probe