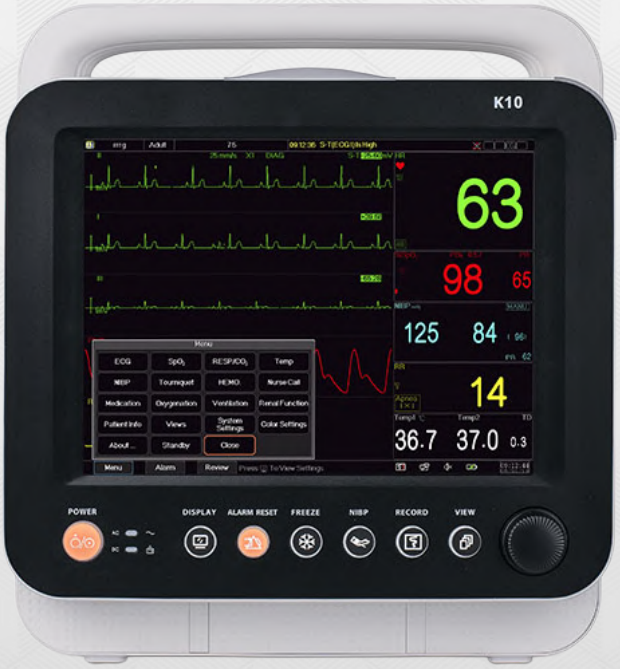
CardiacDirect

CARDIOTECH
K-10

Patient Monitor



12
Lead ECG Available

HL7
Connectivity

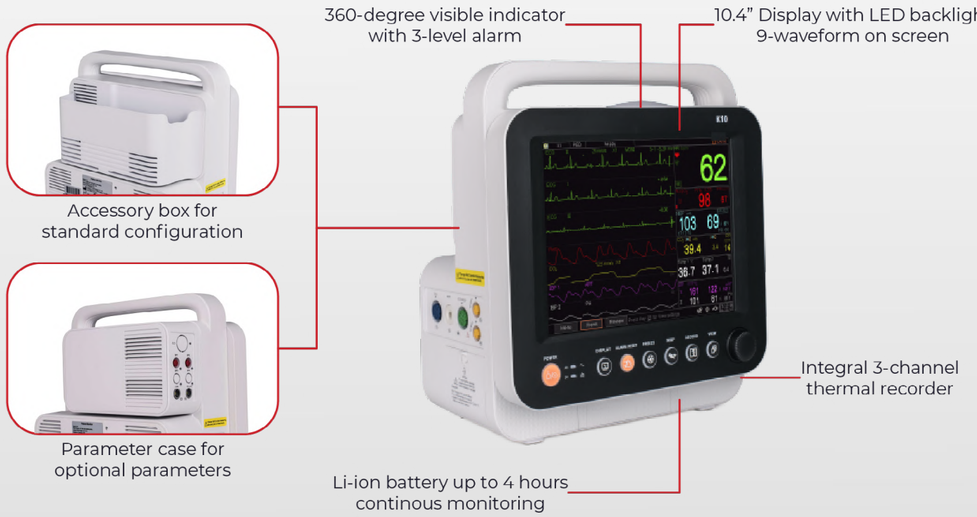
9
On-Screen Waveforms

Standard Parameters: ECG, Respiration, SpO2, PR, NIBP, Temperature

Optional Parameters: Touch Screen, 2-IBP, EtCO2, Nellcor SpO2, SunTech NIBP, 12-lead ECG Cerebral State Monitoring, Central Monitor Station

Features

- 12-lead ECG available
- 10.4” High-resolution display
- Optional touchscreen interface
- Bed-to-bed view for centralized monitoring
- Data export capability and software upgrade
- HL7 protocol compatibility for seamless integration
- Versatile clinical calculation tools to enhance efficiency
- Customizable NIBP measurement cycles (up to 5-phase)
- Displays up to 9 on-screen waveforms; supports a maximum of 13 traces

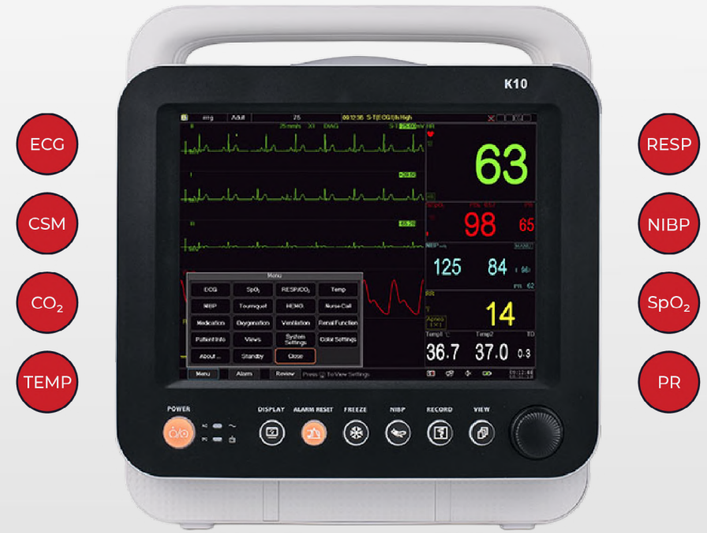


Designed for Precision and Performance

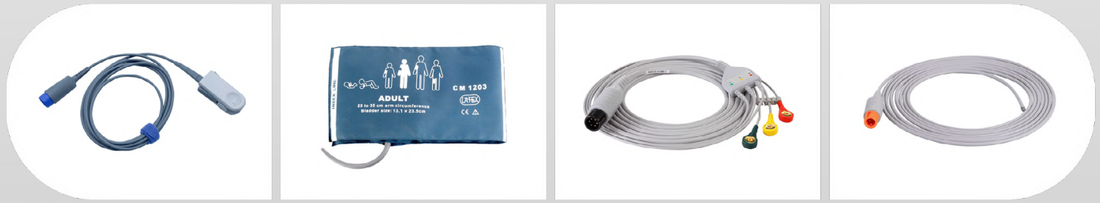
The CardioTech K10 Patient Monitor is a reliable and user-friendly solution designed for efficient patient care. With a clear high-resolution display and intuitive interface, it supports essential monitoring and diagnostic functions. Its connectivity features and flexible design make it well-suited for various clinical environments. Built for both adaptability and performance, the CardioTech K10 ensures continuous, accurate monitoring when it matters most.

Comprehensive Calculations For Clinical Application

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



Accessories



SpO_2 | NIBP Cuff | ECG Cable | Temperature Probe

Specifications

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

RESP
Measuring range: 0~120rpm
Measuring accuracy: ±5% or ±2 rpm, whichever is greater

TEMP
Measuring range: 21.0~50.0°C
Measuring accuracy: ±0.2°C from 25~45°C

NIBP
Technique: Oscillometric method
Typical measurement time: <30 seconds (adult cuff)
SYS: 40~275mmHg (Adult)
NIBP measuring range: 40~200mmHg (Pediatric)
40~135mmHg (Neonate)
DIA: 10~210mmHg (Adult)
NIBP measuring range: 10~150mmHg (Pediatric)
10~95mmHg (Neonate)
MAP: 20~230mmHg (Adult)
NIBP measuring range: 20~165mmHg (Pediatric)
20~110mmHg (Neonate)
NIBP measuring accuracy: Mean difference: ±5mmHg
Standard deviation: 8mmHg
NIBP measurement mode: Manual, Auto,
STAT, Multi-cycle mode
Auto measuring intervals : 1-480min

SpO_2
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
Measuring accuracy:
0~40mmHg ±2mmHg
41~70mmHg ±5% of reading
71~100mmHg ±8% of reading
101~150mmHg ±10% of reading
Flow rate: 50ml/min ±10 ml/min (Sidestream)

Cerebral State Monitoring (CSM)
EEG sensitivity: ±400 V
Noise level: <2 Vp-p, <0.4 V 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: 5 V/V/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

Other Specifications
Power supply: AC 100V-240V, 50/60Hz, 60VA
Built-in lithium battery: 11.1V/4400mAh
Display: 10.4 inch TFT display
Alarming method: 3 levels audible-visible alarm
Networking: Ethernet

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

Options
Touch Screen, 2-IBP, EtCO2, Nellcor SpO2, SunTech NIBP, 12-lead ECG Cerebral State Monitoring, Central Monitor Station