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:	×1/4, ×1/2, ×1, ×2, ×4 an d Auto
Sweeping speed:	6.25mm/s, 12.5mm/s, 25mm/s, 50mm/s
HR measuring range:	15~350bpm
HR accuracy:	±1% or ±2bpm, whichever is greate
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°Cfrom 25~45°C

NIBP

Technique:	Oscillometric method
Typical measurement time :	<30 seconds (adult cuff)
NIBP measuring range :	SYS: 40~275mmHg (Adult) 40~200mmHg (Pediatric) 40~135mmHg (Neonate)
NIBP measuring range:	DIA: 10~210mmHg (Adult) 10~150mmHg (Pediatric) 10~95mmHg (Neonate)
NIBP measuring range:	MAP: 20~230mmHg (Adult) 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

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
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:	±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/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

Cardiac Output (C.O.)

Blood temperature measuring: range:	23-43°C, accuracy: ±0.5°C
Injecta temperature measuring: range:	0-20°C, accuracy: ±0.5°C
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 batter y:	11.1V/4400mAh
Display:	15 inch TFT display
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, Cardiac Output
Cerebral State Monitoring, Ce ntral Monitor Station, Touch Screen

CE 0123

CREATIVE MEDICAL

K15

Patient Monitor

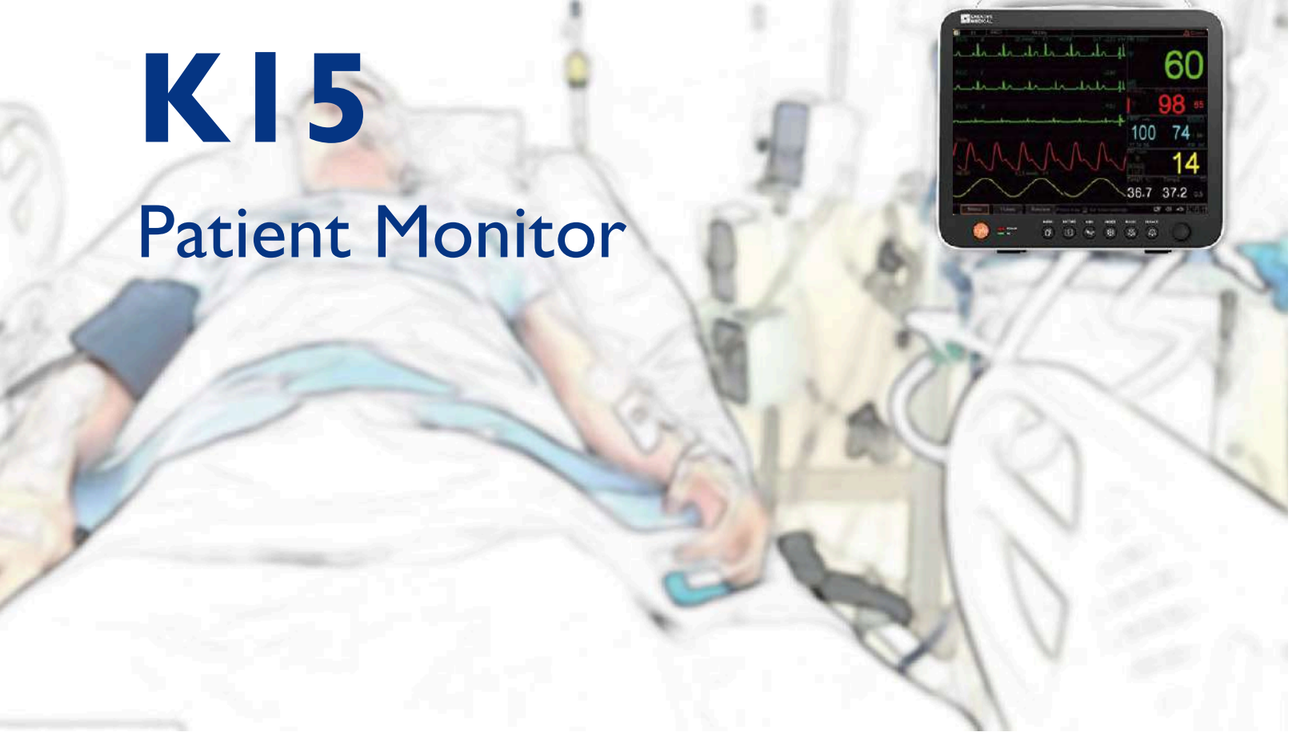
CREATIVE MEDICAL

CARDIOTECH

CardioTech Sdn. Bhd. (492981-P)
Email: cardiotechsb@gmail.com
Tel: +6012-782 9668
www.cardiotech.com.my

K15

Patient Monitor



15” display with LED backlight
9-waveform on screen

360-degree visible indicator
with 3-level alarm

Li-ion battery up to 3 hours
continuous monitoring

Integral 3-channel
thermal recorder

Accessory box for standard configurations

Parameter case with optional parameters

Features

- 15” high resolution display
  Touch screen optional
- User customized NIBP measuring cycles up to 5-phase
- Versatile clinical calculations for application convenience
- 9 traces on-screen waveforms and maximal up to 13
- Data export and software upgrade
- HL7 protocol, Bed to bed view and 12-lead ECG available

SpO2 sensor

NIBP cuff

ECG cable

Temperature probe

Comprehensive calculations for clinical application

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

Software upgrade

Bed to bed view via
central monitor station

HL7 protocol to connect
hospital system

CardioTech

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