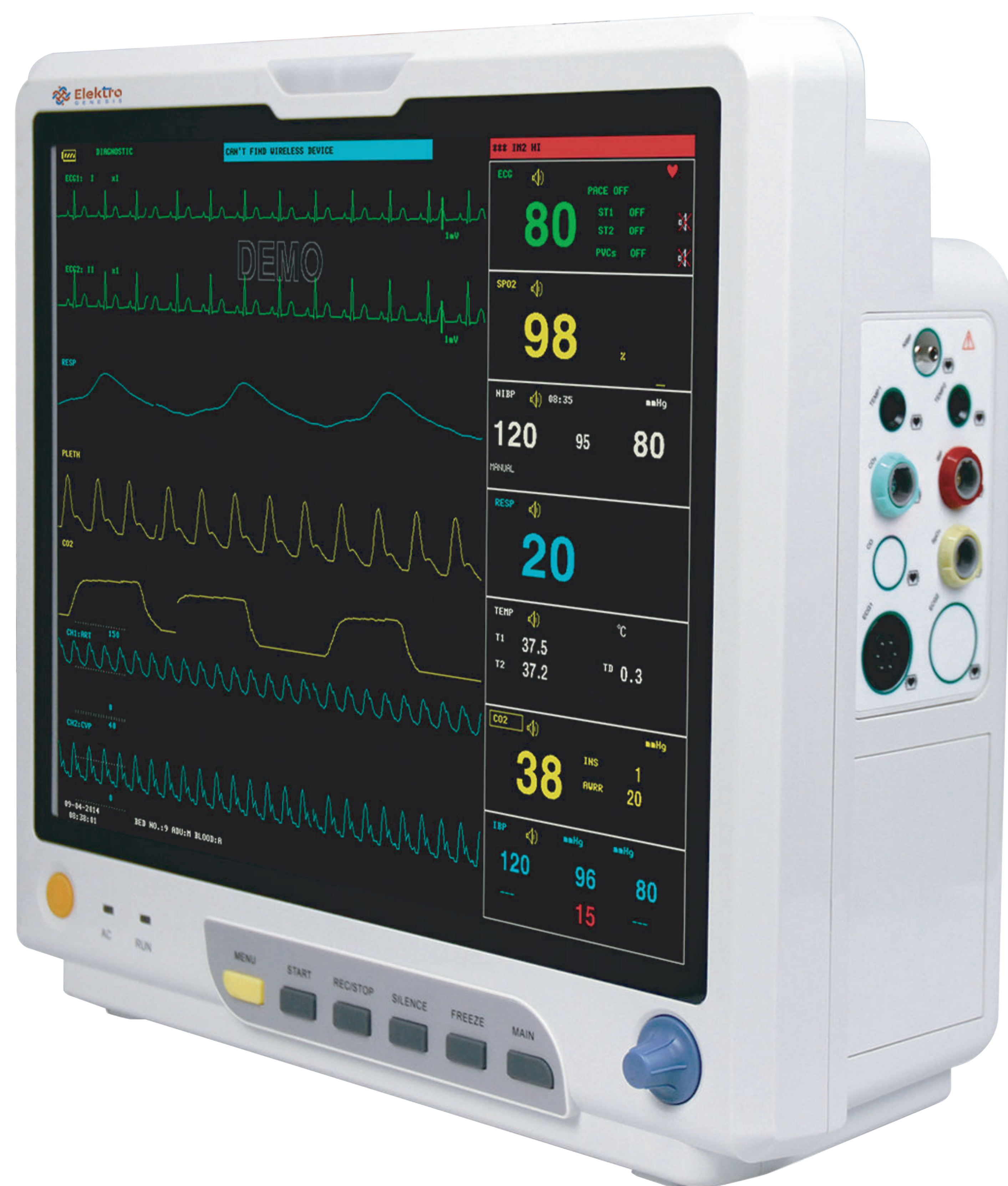


# ***ELK-1500C***

## ***PATIENT MONITOR***



# ELK-1500C Patient Monitor

This device can monitor such parameters as ECG, RESP, SpO<sub>2</sub>, PR, NIBP and dual-channel TEMP, etc. It integrates parameter measurement module, display and recorder in one device to form a compact and portable equipment. At the same time, its built-in replaceable battery provides convenience for patient moving.

## Functions

Standard parameters: ECG, RESP, SpO<sub>2</sub>, PR, NIBP, dual-channel TEMP

ECG	Heart rate(HR) ECG waveform Arrhythmia and ST-segment analysis
RESP	Respiration rate(RR) Respiration waveform
SpO <sub>2</sub>	Pulse oxygen saturation(SpO <sub>2</sub> ) Plethysmogram(PLETH) waveform Pulse rate(PR) Bar graph
TEMP	T <sub>1</sub> , T <sub>2</sub> , TD

It has abundant functions, such as audible and visual alarm, trend data storage and output, NIBP measurement, alarm event marking and drug concentration calculation, etc.

## Accessories

Adult fingertip SpO<sub>2</sub> probe (5-pin)

Adult NIBP cuff

NIBP extension tube

Temperature probe

ECG lead cable Power cord

ECG electrode

User Manual

## Physical Characteristic

Dimension: 363 mm(L) x 168 mm(W) x 339 mm(H)

Weight: <4.7 kg (Standard configuration, excluding battery and accessories)

## Performance

### ECG

Lead mode:

3-lead: I, II, III

5-lead: I, II, III, aVR, aVL, aVF, V

Waveform: 5-lead, 2-channel

3-lead, 1-channel

Gain: 2.5 mm/mV, 5.0 mm/mV, 10 mm/mV, 20 mm/mV, 40 mm/mV

Scan speed: 12.5 mm/s, 25 mm/s, 50 mm/s

HR:

Measurement and alarm range: 15 bpm ~ 300 bpm;

Pediatric/neonate:

15 bpm - 350 bpm

Accuracy:  $\pm 1\%$  or  $\pm 1$  bpm, whichever is greater

Alarm accuracy:  $\pm 2$  bpm

Resolution: 1 bpm

ST-segment monitoring:

Measurement and alarm range: -2.0 mV~+2.0 mV

Accuracy: -0.8 mv~+0.8 mv 0.04 mv or  $\pm 10\%$ , whichever is greater

Other range: unspecified

Arrhythmia analysis: ASYSTOLE, VFIB/VTAC, COUPLET, BIGEMINY, TRIGEMINY,

R ON T, VT>2, PVC, TACHY, BRADY, MISSED BEATS, PNP, PNC

Pacemaker: yes

### RESPIRATION

Method: R-FIRA-LL) Impedance

Respiration rate:

Measurement and alarm range: 0~150 rpm

Resolution: 1 rpm

Measurement accuracy:  $\pm 2$  rpm

Apnea alarm: 10-40 s

Scan speed: 6.25 mm/s, 12.5 mm/s, 25 mm/s

### NIBP

Method: Oscillometry

Mode: Manual/AUTO/Continuous

Measurement interval in AUTO mode:

1/2/3/4/5/10/15/30/60/90/120/240/480/960minutes

Measurement period in Continuous mode: 5 minutes

Measurement and alarm range: 10~ 270 mmHg

Resolution: 1 mmHg

Cuff pressure accuracy:  $\pm 3$  mmHg

Measurement accuracy:

Maximal mean deviation:  $\pm 5$  mmHg

Maximal standard deviation: 8mmHg

## Features

15" TFT color LCD, multi-language interface: Simplified Chinese, Traditional Chinese, English, French, German, Turkish, Spanish (Europe), Spanish (Mexic), Portuguese, Italian, Dutch, Romanian, Russian, Kazakh, Polish, Czech, Bulgarian, Ukraine.

Fanless design, quiet, energy-saving and clean, which reduces the possibility of cross-infection.

All-round monitor for adult, pediatric and neonate.

With standard interface, OxyCRG, trend chard, big character interface and view bed, convenient to observe.

Waveform, parameter color and location can be set optionally.

Operation mode: keys and buttons.

Display up to 8-channel waveform on one screen.

Display 7-lead ECG waveform on one screen, and with ECG step function.

Adopt digital SpO<sub>2</sub> technology, anti-motion and anti-ambient light interference, and measurement can be performed under the circumstance of weak filling.

HRV analysis function.

NIBP measurement mode: Manual/AUTO/Continuous, storage for 4800-group NIBP data.

Review for 71 alarm events of all parameters and 60 arrhythmia alarm events.

Drug concentration calculation and titration table functions.

Print trend table data with one-key.

Connect to Central Monitoring System by 3G, WiFi or wired mode.

AC/DC, built-in rechargeable lithium battery achieve uninterrupted monitoring.

Anti-high frequency surgical unit, defibrillation-proof special leads are necessary).

### NIBP

Over-pressure protection:  
Adult mode: 2973 mmHg  
Pediatric mode: 240 ± 3 mmHg  
Neonatal mode: 147 ± 3 mmHg

### SpO<sub>2</sub>

Measurement and alarm range: 0 - 100%  
Resolution: 1%  
Measurement accuracy:  
70%-100%: +2%;  
0%-69%: unspecified

### PR

Measurement and alarm range: 25-250 bpm  
Measurement accuracy: ± 2 bpm or +2%, whichever is greater

### TEMP

Channel: dual-channel  
Measurement and alarm range: 0 ~ 50°C  
Resolution: 0.1 °C  
Accuracy: ±0.1 °C

### EtCO<sub>2</sub>

Method: Sidestream or Mainstream  
Measurement range for CO<sub>2</sub>: 0-150 mmHg  
Resolution for CO<sub>2</sub>:  
0~69 mmHg: 0.1 mmHg  
70~150 mmHg: 0.25 mmHg  
Accuracy for CO<sub>2</sub>:  
0 ~ 40 mmHg: ± 2 mmHg  
41 ~ 70 mmHg: ± 5%  
71~100 mmHg: +8%  
101~150 mmHg: ± 10%  
AwRR range: 2~150 rpm  
AwRR accuracy: ± 1 rpm  
Apnea alarm: yes

### IBP

Channel: dual-channel  
Label: ART, PA, CVP, RAP, LAP, ICP, P1, P2  
Measurement and alarm range: -10~300 mmHg  
Resolution: 1 mmHg  
Accuracy: ± 2% or 1 mmHg, whichever is greater

### Power supply:

AC 100-240V, 50/60HZ

### Safety classification:

Class I, type CF defibrillation-proof applied part