

# ***ELK-30B***

## ***HANDHELD PULSE OXIMETER***



# ELK-30B Handheld Pulse Oximeter

ELK30B Pulse Oximeter adopts Photoelectric Oxyhemoglobin Inspection Technology in accordance with Capacity Pulse Scanning & Recording Technology, which can be used to measure SpO<sub>2</sub> and pulse by finger. It is applicable for use in hospital, oxygen bar, community healthcare and exercise healthcare (it can be used before or after exercise, but not recommended to use during exercising).

## Features

Small in volume, light in weight and convenient to carry.

Easy and simple to operate, low in power consumption.

With function menu.

Display of SpO<sub>2</sub> value.

Display of PR value and bar graph.

Display of pulse waveform.

Adjustable screen brightness, PR sound indication.

Review function.

Clock function.

Audible prompt for over-limit and low battery.

Battery status indication.

Low battery indication.

Storage function for SpO<sub>2</sub> and PR values, and data stored can be uploaded to PC.

Real-time data can be uploaded to PC.

External SpO<sub>2</sub> probe can be connected.

## Accessory

A user manual

A data line

A disk (PC software)

A SpO<sub>2</sub> probe

## Performance

Display mode: color display

SpO<sub>2</sub> measurement range: 0% - 100% (resolution: 1%)

Accuracy: 70%-100%:  $\pm 2\%$   
0%-69%: unspecified

PR measurement range: 30 bpm-250 bpm (resolution: 1 bpm)

Accuracy:  $\pm 2$  bpm or  $\pm 2\%$ , whichever is greater.

Measurement performance in weak filling condition: SpO<sub>2</sub> and pulse rate can be shown correctly when pulse-filling ratio is 0.4%. SpO<sub>2</sub> error is + 4%, pulse rate error is + 2 bpm or +2%, whichever is greater.

Resistance to surrounding light: The deviation between the value measured in the condition of man-made light or indoor natural light and that of darkroom is less than  $\pm 1\%$ .

Power consumption: < 100 mA

Voltage: DC 3.0 V

Power supply: two AA batteries

Continuous working time: 44 hours in theory

Safety class: internally powered equipment, type BF applied part

