

# S70

## Portable Patient Monitor



- Basic 5 parameters to reach general clinical needs
- Bright 7 " TFT, easy to view, compact and light 2.1.
- Pitch tone to provide audibly recognized SpO2 10.5
- Up to 72-hour trends to review previous patient data 4.5
- External 12V DC input for ambulance transport
- Wire or wireless central station networking



## Size and Weight

Size: 256mm×209mm×185mm

Weight: 3.5 kg

## Display

7" Color TFT display

## Power supply

Power Voltage: AC 100-240V; AC: 47-63Hz

Safety class: Category I

Alarm Indication: Visual And Audible alarm

## Battery

Type: Rechargeable Acid Battery (Option Lithium battery)

Operating time under the normal use and full charge: ≥ 120 minutes

(Option Lithium battery will double operate time)

## Thermal Recorder

Method: Thermal dot array

Paper width: 50mm (1.97 in)

Paper Speed: 12.5/25/50 (mm/sec)

Traces: Maximum 3 tracks

## Alarm

Three Levels: Low, medium and high

Indication: Auditory and visual

Setup: Default and custom

Silence: All alarm can be silenced

Volume: 45-85 dB measured at 1 meter

## ECG

Lead Mode: 3-leads ECG input

5-leads ECG input

Lead selection: I, II, III

I, II, III, aVR, aVL, aVF, Cx

I, II, III, aVR, aVL, aVF, V1 ~ V6 (option)

Gain: 2.5mm/mV, 5mm/mV, 10mm/mV,

20mm/mV, 40mm/mV, Auto

CMRR: Monitor mode ≥ 105dB

Surgery mode ≥ 105dB

Diagnostic mode ≥ 85dB

Bandwidth: Monitor mode 0.5~40Hz

Surgical mode 1~25Hz

Diagnostic mode 0.05~120Hz

input impedance: ≥ 5.0 Mohm

ECG signal range: ±10.0mV

Electrode offset potential: ±500mV

Patient Leakage Current: <10uA

Standardizing signal: 1mV±5%

Baseline recovery: <5s after Defibrillation (Mon or Surg mode)

Indication of Detachment of electrode: Available

Protection: Breakdown Voltage 4000AVC 50/60Hz; defibrillator proof

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

Playback Cardiogram: Available

## HR

Range: Adult 10~300bpm

Pediatric & Neonate: 10~350bpm

Refreshing time: ≤ 50 bpm Per 2 pulses

50~120bpm per 4 pulses

≥ 120bpm per 6 pulses

Resolution: 1bpm

Accuracy: ±1% or ±1bpm, whichever is greater

## RESP

Method: Impedance Measurement

Measurement Range: 0~120 rpm

Alarm limit: 0-120bpm. Upper and lower limit continuously adjustable

Apnea alarm: Available

Accuracy: ±2rpm

## NIBP

Method: Automatic oscillometry

Range of measurement:

Adult: 10~270mmHg

Child: 10~235mmHg

Neonate: 10~135mmHg

Accuracy: Static: ±2% or ±3mmHg, whichever is greater

Operation Modes: singles (manual), Cycle (automatic), Rapid (Continuous)

Unit: mmHg, kPa

AUTO measurement time: 1, 2, 3, 4, 5, 10, 15, 20, 30, 45, 60, 90 minutes;

2, 4, 8, 12 hours

Pulse rate range: 40~240bpm

600 groups of NIBP measuring data review

## Standard SpO2 (Digital)

Measurement Range: 0~100%

Accuracy: 70~100%, ±2%

35%~69%, ±3%

0-34%, unspecified

## PR

Measurement Range: 20~300bpm

Accuracy: 20bpm to 250bpm: ±3bpm

251bpm to 300bpm: unspecified

Resolution: 1bpm

## Nellcor-SpO2

Measurement Range: 0~100%

Resolution: 1%

Accuracy: At 70~100%: ±2% (Adult)

At 70~100%: ±3% (Neonate)

At 70~100%: ±2% (Low Perfusion)

At 0~69%, unspecified

## PR

Measurement Range: 20~300bpm

Resolution: 1bpm

Accuracy: 20bpm to 250bpm: ±3bpm

251bpm to 300bpm: unspecified

## TEMP

Channel: 2

Measurement Range: 0.0°C ~ 50.0°C

Accuracy: ±0.1°C (exclusive of probe)

Unit: Celsius (°C), Fahrenheit (°F)

Connecting cable: Compatible with YSI-400 serial

## Environment

Operating temperature: 0~+50°C

Transportation and Storage temperature: -40°C to +70°C

Relative humidity: Working 10-90%

Transportation and storage 0%-93%

Atmospheric pressure: 700hPa to 1060hPa

Transportation and storage 500-1060 hPa

## Standard configuration of S70:

ECG, HR, RESP, SpO2, NIBP, 1-TEMP, Acid Battery

## Optional parameter & configuration of S70:

2-TEMP, Thermal recorder, Nellcor SpO2, Lithium, Battery

Specification subject to be changed without prior notice.

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