

IRIS

Vital Signs Monitor

IRIS vital signs monitor is a universal vital signs monitor for various clinical applications. It is not only providing the basic vital signs spot check, but also the long term monitoring function like ECG and EtCO₂, which gives IRIS the additional features for continuous monitoring, and makes it a perfect device for various department in the hospital, clinics and doctor's office.

Features:

- Combination of numeric LED and TFT LCD display.
- Flexible configuration between SpO₂, NIBP, Temp, ECG and EtCO₂.
- High capacity lithium rechargeable batteries, operation time up to 10 hours.
- Spot check and continuous working mode to satisfy different clinical scenario.
- 1.5m anti-drop proof makes it suitable for emergency.
- High capacity internal storage for 1500 hours trends or 4000 groups of data.
- Ethernet, WiFi and 3G connection for transfer data from anywhere and anytime.
- Plug & Play type thermal printer.



SD card for saving and transferring data



Turning knob for easy and quick operation



Infrared ear temperature



DC power supply makes ideal working in the field



Printer module, plug and play

IRIS Specifications

Physical Specification

Dimensions: 250*180*180mm
 Net weight: 2kg (including battery)
 Display: LED+3.2" LCD
 (320*240dpi)

Power Supply

AC: 100-240V 50/60Hz
 Internal battery: Rechargeable Li-ion
 Battery working period:
 5hours
 10hours(optional)

Data Storage

120 patient data storage
 (4000 alarm data/patient and 1500
 hours trend review)

NIBP

Method : Oscillometric
 Mode: Manual, Auto
 Measuring interval in auto mode:
 1-480 minutes

Pulse Rate Range: 30-240bpm
 Measuring range:

Adult Mode
 SYS 40-255mmHg
 DIA 10-195mmHg
 MEAN 20-215mmHg

Pediatric Mode
 SYS 40-200mmHg
 DIA 10-150mmHg
 MEAN 20-165mmHg

Neonatal Mode
 SYS 40-135mmHg
 DIA 10-110mmHg
 MEAN 20-125mmHg

Resolution: 1mmHg
 Precision:
 Max average error: ± 5 mmHg
 Max standard error: 8mmHg
 Overpressure Protection
 Adult 290mmHg
 Child 290mmHg
 Newborn 150mmHg

SpO2

Measuring range: 0-100%
 Resolution: 1%
 Precision:
 Adult/Pediatric 70%-100% $\pm 2\%$
 Neonatal 70%-100% $\pm 3\%$
 Pulse Rate:
 Measuring Range: 30-240bpm
 Resolution: 1bpm
 Accuracy:
 the bigger one between $\pm 3\%$ or ± 3 bpm

Temperature(Skin)

Measuring and Alarm Range: 0-50 °C
 Resolution: 0.1°C
 Accuracy: $\pm 0.1^\circ\text{C}$ (25~45°C)
 Actualization interval: 1 second
 Average Time Constant: ≤ 10 second

Temperature(Infrared)(Option)

Measuring and Alarm Range:
 34-42.2°C
 Resolution: 0.1°C
 Accuracy:
 $\pm 0.2^\circ\text{C}$ ($\geq 35^\circ\text{C}$ - $< 42.2^\circ\text{C}$)
 $\pm 0.3^\circ\text{C}$ ($\geq 34^\circ\text{C}$ - $< 35^\circ\text{C}$)
 Actualization interval: 1second
 Average Time Constant: < 10 second

ECG

Leads: 3/5 leads
 Channels:
 7 synchronization channels
 (I II III aVR,aVL,aVF,V)
 Plus: 5mm/mV $\pm 5\%$,
 10mm/mV $\pm 5\%$
 Sweep rate:
 12.5mm/s, 25mm/s , 50mm/s
 Range of heart rate monitoring:
 Adult: 20-300bpm
 Neonate/Pediatric: 20-350bpm

RESP

Method:
 The thorax impedance method(used
 with ECG leads)
 PR Measurement Range: 15-120rpm
 Resolution: 1rpm
 Precision:
 The bigger one between ± 2 rpm or
 $\pm 2\%$
 Alarm: Audio and visual
 Alarm event recallable

EtCO2 (BLMED Mainstream or Side/Microstream)

Sample Rate:
 50 \pm 10ml/min (Sidestream)
 Measuring Range:
 CO2: 0-99 mmHg
 AwRR: 0-150brpm
 Resolution:
 CO2: 1mmHg
 AwRR: 1brpm
 Accuracy
 CO2: $\pm (2\text{mmHg} + 2\%$ of readings)
 AwRR: ± 1 brpm (0-70brpm)
 ± 2 brpm (71-120brpm)
 ± 3 brpm (121-150brpm)

Network Connection(Option)

LAN Ethernet / WLAN/ WiFi /
 Telephony CDMA / GPRS

Recorder(Option)

Plug & Play type
 Paper width: 50mm

I/O interface

SD card socket



Configuration Option	SPO2	NIBP	TEMP(Skin)	ECG	EtCO2
	Nellcor/Masimo	Suntech	TEMP(Infrared)		Masimo
IRIS200(NIBP+SPO2)	√	√	—	—	—
IRIS300(NIBP+SPO2+TEMP)	√	√	√	—	—
IRIS400(NIBP+SPO2+TEMP+ECG)	√	√	√	√	—
IRIS500(NIBP+SPO2+TEMP+ECG+EtCO2)	√	√	√	√	√

IRIS

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Durable, reliable and affordable.



Better Life Medical Technology Co., Ltd.

Making Life Better

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Features and specifications are subject to change without notice.