IRIS Vital Signs Patient Monitor

Technical Specifications

Safety
Meet requirement of IEC60601-1

Dimension and weight
Package Size: 240 x 320 x 330 (mm)
GW: 3.6 KGS(with battery)

Power Supply
AC input: 100~240VAC(10%), 50/60Hz±3Hz, 40VA
Vehicular DC input: 9V~15V
Battery input: 6.4V~8.4V
up to 5/10 hours working time, less than 4/8 hours charging time

Operation Environment
Temperature: 0℃~40℃ (32°F~104°F)
Humidity: ≤70%, non-condensing

Patient Range
Adult, Pediatric and neonatal

Performance Specification
Display: LED+3.2” graphic TFT LCD
Resolution: 320x240
Trace: 1/2 waveforms
Sweep Speed: 12.5mm/s, 25mm/s
Alarm indicator light
Alarm sound
Alarm information and alarm parameter flash
Net Interface: RJ45
Battery: Rechargeable
Storage review: 4000 groups
Alarm: 3-level audible and visual alarm
Recorder (optional): Thermal array
Record speed: 25mm/s, 50mm/s
CMRR: >89dB
S-T detection: YES
Measurement range: -1.0mV~+1.0mV
Arrhythmia analysis: YES
Alarm: YES, audible and visual alarm, alarm events recallable

Standard Configuration
IRIS (I-A): NIBP+TEMP +3F SpO2
IRIS (I-B): NIBP+TEMP +NELLCOR SpO2
IRIS (II-A): NIBP+TEMP +3F SpO2 +ECG+RESP
IRIS (II-B): NIBP+TEMP +NELLCOR SpO2 +ECG+RESP

Options
Thermal Recorder, Wall Mounting, Trolley

ECG
Lead: 3-lead/ 5-lead optional

Lead Selection: Monitoring lead/ 12 lead system
ECG Waveform: 1 channel
Gain Selection: x0.5, x1
Scan Rate: 12.5mm/s, 25mm/s
Heart rate range: 0, 20~350BPM [+3%]
Precision: 1BPM or 1%

Respiration
Method: RA-LL impedance
Measurement Range: 0, 10~120rpm
Resolution: 1rpm
Accuracy: 2% or 2rpm, whichever is greater

NIBP
Method: Oscillometric
Operation Modes: Manual/Automatic/Continuous
Measurement Unit: mmHg/kPa optional
Measurement Type: SYS, DIA, MEAN
Measurement Range:
Adult mode
SYS: 40~255(mmHg)
DIA: 10~195(mmHg)
MEAN: 20~215(mmHg)

Pediatric mode
SYS: 40~200(mmHg)
DIA: 10~150(mmHg)
MEAN: 20~165(mmHg)

Neonatal mode
SYS: 40~135(mmHg)
DIA: 10~110(mmHg)
MEAN: 20~125(mmHg)

Over-pressure Protection: YES
Resolution: 1mmHg
Alarm: Systolic, Diastolic and Mean
Data storage/review: 4000 group blood pressure value

Temperature
Scale: °C and °F optional
Measurement Range: 20°C~50°C
Resolution: 0.1°C
Channel: 1 channel

SpO2(3F)
Range: 0~100%
Resolution: 1%
Range of pulse rate: 25~2500BPM
Pulse rate precision: 1BPM

SpO2(Nellcor)
Range: 0~100%
Resolution: 1%
Range of pulse rate: 20~300BPM
Pulse rate precision: 1%