



# 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°C~40°C (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 SpO<sub>2</sub>  
IRIS (I-B): NIBP+TEMP +NELLCOR SpO<sub>2</sub>  
IRIS (II-A): NIBP+TEMP +3F SpO<sub>2</sub> +ECG+RESP  
IRIS (II-B): NIBP+TEMP +NELLCOR SpO<sub>2</sub> +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

### SpO<sub>2</sub>(3F)

Range: 0~100%  
Resolution: 1%  
Range of pulse rate: 25~250BPM  
Pulse rate precision: 1BPM

### SpO<sub>2</sub>(Nellcor)

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

## Contact 3F MEDICAL SYSTEM

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