HF-8000CS

Multi-parameter Patient Monitor

Monitor ECG, SpO2 , NIBP, RESP, TEMP, PR and HR.

New

HuiFeng is one of the biggest medical and healthcare product manufacturers in China.

Range of product:Patient monitor, Pulse oximeter, Blood pressure monitor,

Thermometer, Fetal Doppler, UV radiation, etc.

The whole production line is medical CE certified and mostly FDA certified.

TECHNICAL SPECIFICATIONS

Quality Standards and Classification

CE, ISO13485
SFDA: Class Ⅱb
Anti-electroshock degree:
Class Ⅰ equipment
(internal power supply)
TEMP/SpO 2 /NIBP: BF
ECG/Resp: CF

Application Range

Adult/Pediatric/Neonatal/Medicine/Surgery/

Operating Room/ICU/CCU

Display

12.1” real color TFT screen

Environment

Operating environment :
Temperature: 0 ~ 40 ℃
Humidity: 15% ~ 80%
Pressure: 86.0 kPa ~ 106.0kPa
Transport and Storage environment :
Temperature: -20 ~ 55 ℃
Humidity: 10% ~ 90%
Pressure: 86.0 kPa ~ 106.0kPa

Power Requirements

AC: 100 ~ 240V, 50Hz/60Hz

DC: Built-in rechargeable battery

Battery: 11.1V 24wh Li-ion battery

2h operating after full charge

5min operating after low battery alarm

Dimension and Weight

Equipment:
340mm × 245mm ×134 mm(about);
2.798kg(about)
Package:
380mm ×350 mm × 300mm; 4.598 kg(about)

Date Storage

Trend diagram/table: 720h
NIBP review: 10000 events
Wave review: 12h
Alarm review: 200 alarm events
Support drug concentration titration analysis

ECG

5 Leads: RA, LA, LL, RL, V
Lead mode: Ⅰ, Ⅱ, Ⅲ, AVR, AVL, AVF, V
Gain: × 1.25mm/mV,2.5mm/mV,
5.0mm/mV, 10mm/mV,
20mm/mV (error ≤ 5%)
Sweep speed: 6.25mm/s,12.5mm/s,25mm/s,
50mm/s (error ≤ ± 10%)
Bandwidth: Surgery 1 ~ 25 Hz
Monitor 0.5 ~ 40 Hz
Diagnostic 0.05 ~ 130 Hz
Sensitivity: >200 μ V P-P
CMRR: ≥ 112dB
Differential Input Impedance: >5M
ohm Electrode Offset Potential: ±300mV
Polarization Voltage: ≥ ± 500mV
Input Impedance: ≥ 5 M
Calibration Voltage: 1mV ± 5%

ST Segment

ST Segment Range: -2.0mV ~ +2.0mV
Accuracy: 0.02mV

NIBP

Method: Oscillometry
Measure mode: Manual, Auto, STAT
Measure interval in auto mode:
1~5/10/15/30/60/90/120/180/240/480min
Measure period in STAT mode: 5min
Pulse rate range: 40 ~ 240bpm
Measure & alarm range: Adult

SYS	40 ~ 280mmHg
DIA	10 ~ 220mmHg
MEAN	20 ~ 240mmHg

Pediatric

SYS	40 ~ 220mmHg
DIA	10 ~ 160mmHg
MEAN	20 ~ 170mmHg

Neonatal

SYS	40 ~ 135mmHg
DIA	10 ~ 100mmHg
MEAN	20 ~ 110mmHg

Static pressure measurement
Range: 0 ~ 300mmHg
Accuracy: ± 3mmHg
Resolution: 1mmHg Accuracy:
Max. Mean Error: ± 5mmHg
Max. Standard Deviation: 8mmHg
Overpressure protection:
Adult 300mmHg
Pediatric 240mmHg
Neonatal 150mmHg

SpO_2

Measurement range: 0 ~ 100%
Resolution: 1%
Accuracy: 70% ~ 100% ± 2%
40% ~ 69% ± 3%

Pulse Rate

Measure/alarm range: 20 ~ 300bpm
Resolution: 1bpm
Accuracy: ± 3bpm

RESP

Method: impedance between RA-LL
Resp Impedance range: 0.3 ~ 3 Ω
Base Impedance range: 200 Ω ~ 4000 Ω
Bandwidth: 0.3 ~ 2.5Hz
Gain: × 0.25, × 0.5, × 1, × 2, × 4
Resp rate:
Measurement Range
Adult 0 ~ 120BrPM
Neonatal/Pediatric 0 ~ 150BrPM
Resolution: 1BrPM
Accuracy: 7 ~ 150BrPM (± 2BrPM)
0 ~ 6BrPM (unspecified)
Apnea Alarm: 10 ~ 40s

TEMP

Channel 2
Measure & alarm range: 0 ~ 50 ℃
Resolution: 0.1 ℃
Accuracy (no sensor): ±0.1 ℃ (0~50 ℃)

Standard accessories

- NIBP cuff & tube
- ECG cable & electrodes
- SpO_2 sensor
- TEMP probe
- Lithium-ion battery
- Power cable
- Operator’s manual

Optional accessories

- IBP
- CO_2
- Nellcor SpO_2

NOTE: The specifications are subject to changes without prior notice.