



HF MED® CE MDR

## HF-8000A

Multi-parameter Patient Monitor  
Monitor ECG, RESP, SpO<sub>2</sub>, NIBP, TEMP, PR and HR.

Yonker 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	Displayed Parameters	NIBP
<p><b>Quality Standards</b></p> <p>CE, ISO13485, ISO9001, Design patent certification</p> <p><b>Application Range</b></p> <p>Adult/Pediatric/Neonatal/Medicine/Surgery/ Operating Room/ICU/CCU</p> <p><b>Display</b></p> <p>7" real color TFT screen</p> <p><b>Environment</b></p> <p>Operating environment : Temperature: 0 ~ 40 °C Humidity: 15% ~ 80% Pressure: 86.0 kPa ~ 106.0kPa Transport and Storage environment : Temperature: -20 ~ 55 °C Humidity: 10% ~ 90% Pressure: 86.0 kPa ~ 106.0kPa</p> <p><b>Power Requirements</b></p> <p>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</p> <p><b>Dimension and Weight</b></p> <p>Equipment: 175mm × 140mm × 300 mm; 3.3 kg Package: 360mm × 250 mm × 300mm; 4.5 kg</p> <p><b>ST segment</b></p> <p>ST Segment Range: -2.0mV ~ +2.0mV Accuracy: 0.02mV</p> <p><b>SpO<sub>2</sub></b></p> <p>Measurement range: 0 ~ 100% Resolution: 1% Accuracy: 70% ~ 100% ± 2% 40% ~ 69% ± 3%</p> <p><b>Pulse Rate</b></p> <p>Measure/alarm range: 20 ~ 300bpm Resolution: 1bpm Accuracy: ± 3bpm</p>	<p><b>Time:</b> Battery-backed quartz crystal clock <b>ECG:</b> ECG Waveform Scale, displayed lead <b>Heart Rate:</b> Derived from ECG or SpO<sub>2</sub> <b>NIBP:</b> Pressure (systolic, mean and diastolic) <b>Pulse Oximeter:</b> Pulse Rate, SpO<sub>2</sub> waveform, and Oxygen saturation. <b>Respiration Rate:</b> Respiration rate derived from ECG. <b>Trends:</b> HR, RR, NIBP, TEMP and SpO<sub>2</sub> <b>Temperatures:</b> one channels</p> <p><b>ECG</b></p> <p>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: &gt;200 μ V P-P CMRR: ≥ 112dB Differential Input Impedance: &gt;5M ohm Electrode Offset Potential: ±300mV Polarization Voltage: ≥ ± 500mV Input Impedance: ≥ 5 M Calibration Voltage: 1mV ± 5%</p> <p><b>RESP</b></p> <p>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</p>	<p><b>Method:</b> Oscillometry <b>Measure mode:</b> Manual, Auto, STAT <b>Measure interval in auto mode:</b> 1~5/10/15/30/60/90/120/180/240/480min <b>Measure period in STAT mode:</b> 5min <b>Pulse rate range:</b> 40 ~ 240bpm <b>Measure &amp; alarm range:</b> 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</p> <p><b>Static pressure measurement</b> Range: 0 ~ 300mmHg Accuracy: ± 3mmHg Resolution: 1mmHg Accuracy: Max. Mean Error: ± 5mmHg Max. Standard Deviation: 6mmHg Overpressure protection: Adult 300mmHg Pediatric 240mmHg Neonatal 150mmHg</p> <p><b>TEMP(optional)</b></p> <p>Channel 1 Measure &amp; alarm range: 0 ~ 50 °C Resolution: 0.1 °C Accuracy (no sensor): ±0.1 °C (0~50 °C)</p> <p><b>Standard accessories</b></p> <ul style="list-style-type: none"> <li>● NIBP cuff &amp; tube</li> <li>● ECG cable &amp; electrodes</li> <li>● SpO<sub>2</sub> sensor</li> <li>● Lithium-ion battery</li> <li>● Power cable</li> <li>● Operator's manual</li> </ul> <p><b>Optional accessories</b></p> <ul style="list-style-type: none"> <li>● TEMP probe (skin)</li> <li>● Trolley bracket</li> <li>● Hanging bracket</li> <li>● Monitor recorder</li> <li>● Vehicle-mounted power supply</li> </ul>

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

### AUTHORIZED AGENT

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