

Specification: H3-V



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Three-channel Electrocardiograph H3-V



Physical Characteristics:

Product Size:	235mm *190mm*52.6mm
Net Weight:	1.18kg (including main unit, recorder and battery, not including accessories)

Operation Environment:

Working Temperature:	5-40°C
Humidity:	≤93%
Power Supply:	100-240V~, 50/60Hz±1Hz
Battery Type:	Rechargeable Lithium-ion battery
Battery Capacity:	2600mAh
Battery Recharging Time:	Maximum 3.4 hours for charging;
Battery backup:	2 hours for continuous working (7 hours without paper recording)
Display:	6.2" color LCD touch screen
Resolution:	800*480
Trace:	12 waveforms
Brightness:	Automatic adjustment/ Manual from 1 to 10

Indicator:

Power indicator
Battery indicator
QRS beep
Operating key sound

Interface:

Parameter cable interface
AC power input socket
Two USB port
RJ45 port

Optional: Built in WIFI module/ keyboard, mouse and scanner

Data storage:

Standard 8G micro SD card for 40000 ECGs	internal memory: 200 patient cases
Format:	OFF, DAT (binary), BMP, JPG, PDF, DICOM, XML, SCP
Power-off storage:	Yes
Network:	Connected to PCECG by hardwire/wireless

Display:

Parameter:	Patient ID, gender, age, waveforms, recording/sweep speed, gain, EMG filter, HR, leads status, clock, information message, network and USB, battery status
Format:	3×3, 6×2
Standby:	OFF, 5min,10min,15min,20min, 25min,30min
Timing Power off:	OFF, 10min~5hours

Recorder:

Type:	Built-in; thermal array
Record width:	80mm
Speed:	5mm/s, 6.25mm/s, 10mm/s, 12.5mm/s, 25mm/s, 50mm/s; Error ± 2%
Printer Format:	3× 3, 3× 3 +1R, 3× 3 +3R, 6×2, 6×2+1R, 7 ×1 and 7 ×1+1T

External printer 3× 3, 3× 3 +1R, 3× 3 +3R, 6×2,
 Format: 6×2+1R, 7 ×1 and 7 ×1+1T
 Print Mode: Normal, One-key, Extend
 Re-print: Re-print out last patient case
 Diagnostic Review: 10 min review for all 12 leads
 waveform info.

ECG:

Lead selection: I, II, III, aVR,aVL, aVF, V
 Gain Selection: 2.5mm/mV, 5mm/mV, 10mm/mV,
 20mm/mV, 20/10mm/mV,
 10/5mm/mV and AGC
 Sweep Speed: 6.25,12.5, 25, 50mm/s
 Heart Rate Range: 30-300bpm
 Resolution: 1 bpm
 Accuracy: ±1% or ±1bpm (whichever is
 greater)
 Drift Filter: OFF, 0.05Hz, 0.10Hz, 0.20Hz, 0.50Hz
 EMG Filter: OFF, 25Hz, 35Hz, 45Hz
 Low Pass Filter: OFF, 75Hz, 100Hz, 150Hz
 AC Filter: OFF, 50Hz, 60Hz
 Protection: Withstand 4000VAC/50Hz voltage in
 isolation;

Against electrosurgical interference
 and defibrillation;

Arrhythmia
 analysis: available
 Pacemaker
 detection: detectable

Processing:

Acquisition Mode: pre/post-acquisition
 10 seconds instantaneous ECG
 acquisition

Frequency
 Response: 0.05Hz-150Hz: $\begin{pmatrix} + 0.4dB \\ - 3.0dB \end{pmatrix}$

CMRR: ≥110dB
 Input Impedance: ≥50MΩ
 Startup Time: 10 seconds
 AD conversion: 24Bits

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