Three-channel Electrocardiograph H3

Physical

Height:	52.6mm
Width:	190mm
Length:	235mm
Weight:	1.18KG (including battery AC power supply)
Display:	6.2 inches LED color touch screen
Resolution:	800×480
Display Data:	Patient ID, gender, age, waveforms, recording/sweep speed, gain, EMG filter, HR, leads status, clock, information message, network and USB, battery status
Display format:	3×4, 6×2, simultaneously 12 leads display
Brightness:	Automatic adjustable according to operating environment
	Manual from 1 to 10

Processing

ECG Analysis Sampling Rate:	1000samples/sec (sps)
Digital Sampling Rate:	1000samples/sec/channel
Acquisition Mode:	pre/post-acquisition
	10 seconds instantaneous ECG acquisition
Dynamic Range:	AC differential±10mV, DC offset± 650mV
Resolution:	0.2μV/LSB@1000sps

Frequency Response: -3dB@0.05Hz-150Hz
Baseline Drift Filter: 0.05Hz, 0.1Hz, 0.2Hz, 0.5Hz
High Cut-off Frequency: 25Hz, 35Hz, 45Hz, 75Hz, 100Hz, 150Hz
AC Filter: 50/60Hz ±0.1Hz
CMRR: ≥110dB
ADC: 24bit
Input Impedance: ≥50MΩ
Patient Leakage: <10μA
HR Meter: 30-300 bpm ±1% or 1bpm
Startup Time: around 10 seconds
Gain/Sensitivity: 2.5mm/mV, 5mm/mV, 10mm/mV, 20mm/mV,
                            20/10mm/mV,10/5mm/mV and AGC

Power

Power supply: AC input/Battery Operation

AC Power

Input Voltage: 100-240V~

AC Frequency: 50Hz/60HZ±1Hz

Input Power: 40VA

Battery

Battery Type: Rechargeable Lithium ion Battery

Battery Capacity: 11.1V typical, 2600mAh

                            7 hours of continuous operation without recording/

                            500 ECGs or conduct continuous recording for 2 hours

Battery Charge Time: 3.4 hours with power off

Recorder

Recording Tech:Thermal dot-matrix

Recorder Width: 80mm

Recording Paper: 80mm×70mm Z-fold

                            80mm×20m Rolled

Valid Recording Width: 72mm

Paper Speed: Manual: 5mm/s, 6.25mm/s, 10mm/s, 12.5mm/s, 25mm/s, 50mm/s

Auto& Rhythm: 25mm/s, 50mm/s

Recording format: 3×4, 3×4+1R, 1×12, 1×12+1R

External printer format: 3×4, 3×4+1R, 3×4+3R, 6×2, 6×2+1R, 1×12, 1×12+T

Recorder Resolution: Horizontal 40dots/mm, vertical 8 dots/mm @ 25mm/s

Software

Measurement & Interpretation: COMEN ECG analysis algorithm

Internal Storage: Standard 8G micro SD card for 40000 ECGs internal memory

ECG Storage Format: Picture format.jpg and binary format .bin (PCECG or H3 print)

Multi-Language: Chinese & English (Temporarily)

Diagnostic Review: 10 minutes review for all 12 leads waveform info.

Hardware support: Built in WIFI module/ keyboard, mouse and scanner optional

Stand By function: Resume less than 10sec

Patient record fuzzy search function: Patient name, ID, diagnostic time.

Environmental Specs

Temperature

Operating: 5℃ to 40℃

Transport & storage: -20℃ to 60℃

Humidity

Operating: ≤90%

Transport & storage: ≤93%

Pressure

Operating: 700hPa to 1060hPa

Transport & storage: 700hPa to 1060hPa