

Specification: H3



SHENZHEN COMEN MEDICAL INSTRUMENT CO.,LTD

Floor 10, Floor 11 and Section C of Floor 12 of Building 1A & Floor 1 to Floor 5 of Building 2, FIYTA Timepiece Building, Nanhuan Avenue, Matian Sub-district, Guangming District, Shenzhen, Guangdong, 518106,P.R. China

Tel: +86-755-26408879

Fax: +86-755-26431232

Email: info@szcomen.com

Web: en.comen.com

Three-channel Electrocardiograph H3



Safety Standards:

ISO 13485:2016 approved, CE marking according to MDD93/42/EEC, IEC60601-1, IEC60601-2-25, IEC 60601-1-2, EC11, Class I with internal power supply, Type CF

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: 2200mAh
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

Yes

storage:

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:

3×4, 6×2, simultaneously 12 leads display

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 $\pm 2\%$

Printer Format: 3x4, 3x4+1R, 1x12, 1x12+1R

External printer Format: 3x4, 3x4+1R, 3x4+3R, 6x2, 6x2+1R, 1x12, 1x12+T

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 Type: CardioTec™12-leads ECG Analysis

Lead selection: 12-Lead I; II; III; aVR; aVL; aVF; V1-V6.

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: $\pm 1\%$ or $\pm 1\text{bpm}$ (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: $\geq 110\text{dB}$

Input Impedance: $\geq 50\text{M}\Omega$

Startup Time: 10 seconds

Digital Sampling Rate: 1000 (Single channel)
8000 (Eight Channel)

AD conversion: 24Bits

***Notice: Specifications subject to changes without prior notice. All rights reserved by Comen**