

Specification: H12



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

12-Channel Electrocardiograph H12



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: 305mm*228mm*74mm
Net Weight: 4kg (including main unit, recorder and battery)

Operation Environment:

Working
Temperature: 5-40°C
Humidity: ≤93%
Power Supply: 100-240V~, 50/60Hz±1Hz
Battery Type: Rechargeable Lithium-ion battery
Battery Capacity: 3100mAh
Battery Recharging
Time: Maximum 4 hours for charging;
Battery backup: 2 hours for continuous working (6 hours without paper recording)
Display: 10.4" color LCD touch screen
Resolution: 800*600
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 10000 ECGs internal memory

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: 12×1, 6×2, simultaneously 12 leads display

Standby: OFF, 5min, 10min, 15min, 20min, 25min, 30min

Timing Power off: OFF, 10min/30min/1hours/2hours/3hours/5 hours

Recorder:

Type:	Built-in; Thermal array
Record width	216mm
Speed:	5mm/s, 6.25mm/s, 10mm/s, 12.5mm/s, 25mm/s, 50mm/s
Printer Format:	3×4, 3×4+1R, 3×4+3R, 6×2, 6×2+1R, 1×12, 1×12+T
External printer Format:	3×4, 3×4+1R, 3×4+3R, 6×2, 6×2+1R, 1×12, 1×12+T
Print Mode:	Normal, One-key, Extended
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:	±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

Arrhythmia analysis:	and defibrillation; 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:	≥105dB
Input Impedance:	≥50MΩ
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