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iH-3PLUS iH-12PLUS

Ambulatory
Electrocardiograph Recorder



Distributed by:



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iH-3PLUS / iH-12PLUS

Ambulatory electrocardiograph recorder



Features (Recorder):

- Recording 3-channel and 12-channel ECG;
- Operating time: up to 3 days;
- ECG Sampling rate: 256Hz/12bit;
- VLP Sample Rate: 1024Hz/12bit (only for iH-12plus);
- Check ECG quality on the graphic display;
- Small size: 70.6×54×17.4mm;
- Storage medium: SD card;
- Light weight and energy-efficient.

Specifications:

General	iH-3Plus	iH-12Plus
Dimensions	70.6×54×17.4mm	
Weight (without battery)	42g	
Battery type	1 AAA size alkaline	
Display	LCD	
Power consumption	<0.3 VA	

Operating time

Standard type	24 h	
Advanced type(option)	Up to 72 h	

ECG Cable

3-channels, 5 lead wires	YES	
3-channels, 7 lead wires	YES	NO
12-channels, 10 lead wires	NO	YES

Parameter

Frequency Response	0.05 - 55Hz	0.05 - 250Hz for VLP
Input dynamic range	±320mV DC, ±10mV AC	
CMRR	≥80dB	
Input impedance	>10MΩ	
Pacemaker detection	YES	
VLP ECG recording	NO	YES
Digital signal resolution	12bit	

iH 3plus / 12plus Holter Recorder is ultra compact, lightweight, convenient to use, and energy-efficient, making it ideal for everyday use, the Holter recorder employs an advanced digital signal processor and a large capacity memory card (SD card) to be able to record 3 or 12-channel ECG signals, with non-compressed, full ECG waveforms for up to 72 hours.

Storage/Transmission	iH-3Plus	iH-12Plus
Storage type	SD Card	
Memory capacity	8GB	
Data transfer mode	SD card reader / a USB cable	

Working conditions

Temperature	5 ~ 45 °C	
RH	10 - 95% without condensation	
Atmosphere pressure	80 ~ 106kPa	

Transport and storage conditions

Temperature	-20 ~ +55 °C	
RH	10 - 80% non- condensation	
Atmosphere pressure	50 ~ 106kPa	

Software:

Easy to use, reliable, fast and well-arranged –iH series analysis software allows transfer of ECG measurement data from the Recorder to a Windows, PC-based computer program via a removable and large capacity memory card (SD card) for the purpose of creating reports and printouts. Physicians can review and diagnostic evaluations of the ECG data.



Features (Software):

The system provides comprehensive analyzing functions, such as QT, atrial fibrillation/flutter, ST, heart rate variability (HRV), sleeping respiratory analysis, pacemaker analysis, heart rate turbulence (HRT), T-wave alternate analysis (TWA), ventricular late potential (VLP) etc.

The user can attach leads to the patients according to the Lead Figures on the screen.

Powerful case management can assist the user to import/export cases, load cases and delete cases.

Determinant threshold values can be adjusted to meet the requirements of even the most complicated patient needs or clinical research.

The user can reset the analysis parameters and analyze the case again when the original analysis results are of obvious error.

The easy-to-operate measuring tools provide "gauge" functions.

The system offers hour summary, ventricular summary and supra-ventricular summary.

QRS waveforms are classified into various templates by morphology, such as normal, ventricular, supra-ventricular, atrial pacing, ventricular pacing, atrioventricular pacing, aberrant conduction, beam branch block, artifact, fusion paced, junctional and escape.

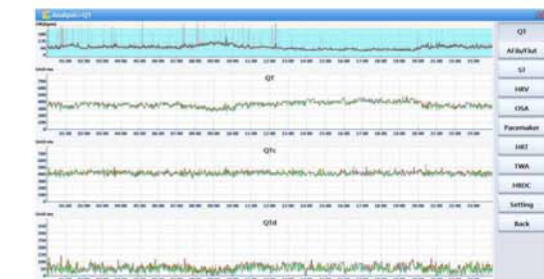
The user can save segment on the event screen and edit ECG screen, and print it after editing.

[Page scan] is provided for the user to scan the 24h ECG waveforms quickly.

The system offers various reports such as summary report, arrhythmia hourly summary, TIB summary report, QT report, Sleep apnea risk analysis report etc.



12-lead ECG



3-lead ECG