CE 0123 TÜV MC

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Care from hearts

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View ECG iH-12PLUS

Start Record
iH-3PLUS

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iH-3PLUS
iH-12PLUS
Ambulatory
Electrocardiograph Recorder

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.

Start Record
iH-3PLUS
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Start Recording
iH-12PLUS
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Software:

Holter analysis software is easy-to-use, reliable, fast and well-arranged. ECG data is transmitted from Holter recorder to the Holter analysis software installed in a Windows, PC-based computer via a removable SD card or a USB cable for the purpose of creating reports and printouts.

Specifications:

iH-3PLUS and iH-12PLUS are ultra-compact, lightweight, easy-to-use and energy-efficient, making them ideal for use. The Holter recorder adopts an advanced digital signal processor and a large capacity memory card to be able to record 3 or 12 channels of ECG data, with uncompressed ECG data for up to 72 hours.

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	iH-3PLUS	iH-12PLUS
3 channels, 5-lead wire	YES	
3 channels, 7-lead wire	YES	NO
12 channels, 10-lead wire	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 (Only for 24 hours)	
VLP ECG recording	NO	YES (Only for 24 hours)
Digital signal resolution	12bit	

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℃	
RH	10 - 95% without condensation	
Atmosphere pressure	80 ~ 106kPa	

Transport and storage conditions		
Temperature	-20 ~ +55℃	
RH	10 - 80% non- condensation	
Atmosphere pressure	50 ~ 106kPa	

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.

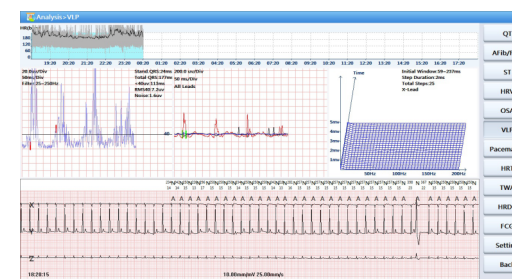The easy-to-operate measuring tools provide "gauge" functions.

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, QT report, Sleep apnea risk analysis report etc.

12-lead ECG

3-lead ECG