DATA SHEET

Model: ESSE-3 &ESSE-12
ECG Holter
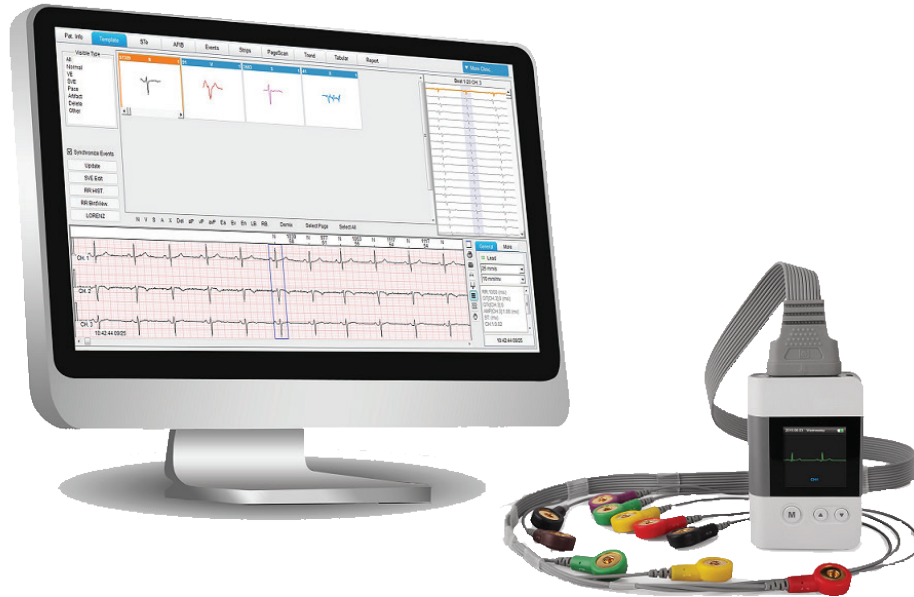
## Features

Recorder	ESSE-2003	3-channel Recorder
	ESSE-2012	12-channel / 3-channel Recorder
Software	Standard Functions	Dynamic Learning & Searching Function Histogram Lorenz Plot Waveform Superposition Heat Map ST Analysis Atrial Fibrillation Analysis Heart Rate Variability Analysis QT Analysis Page Scan Pacemaker Analysis
	Optional Functions	Watefall Plot T-wave Alternans Analysis Vector ECG Functions Ventricular Late Potentials Analysis

Efficiency in Templates Classification
Color coded templates labeling for quick recognition
Multilevel classification of QRS as sub-templates
Shortcut keys for fast labeling
Batch insert the tags of undetected heartbeats

Dynamic Learning & Searching Engine
• *Match QRS by Type*
This function automatically categorizes QRS complex whose morphology features are similar with the one you confirmed.
• *Batch-delete Artifact*
By selecting a certain segment as artifact to delete, this function helps you to filter out all the artifacts similar with the chosen one

Waveform Superposition Heat Map
The Waveform Superposition Heat Map shows overlapping waveforms and exposes infrequent segments. This function delivers a quick reference to locate the distinct waveforms for you to review, making your practice more efficient

Histogram
A group of Interval Histogram provides an easy access to analyze all the heart beats with different intervals, which helps to quickly locate the infrequent segments and also provides a brief understanding of the patient cardiac condition.

Lorenz Plots
The Lorenz Plots shows the R-R intervals in a visualized way to quickly indicate the nonhomogeneous beat-to-beat variability. You can also reversely select the distinct points to view the corresponding waveforms.

Automatic ST Evaluation & ST Reanalysis

The ST Elevation/Deviation can be automatically detected and presented in the
ST Evaluation Chart, together with the ST color mapping.
Without interrupting any previous procedures, you can separately modify the J Point,
ST Point and T Wave Offset by reanalyzing ST segment.
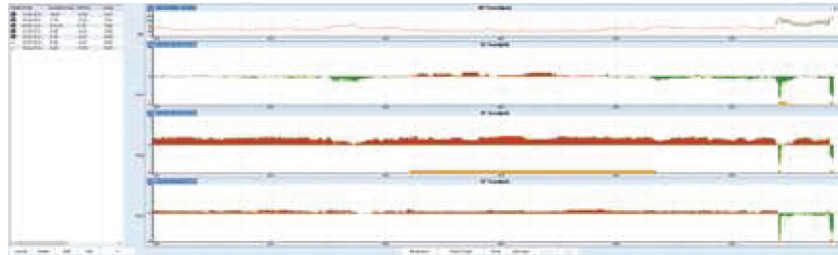
Automatic AFIB Segments Detection

The atrial fibrillation segments can be automatically detected and presented in the
AFIB list, where you can quickly locate and check the distinct period of waveforms.
It also supports one-button operation to delete SVE in AFIB period.
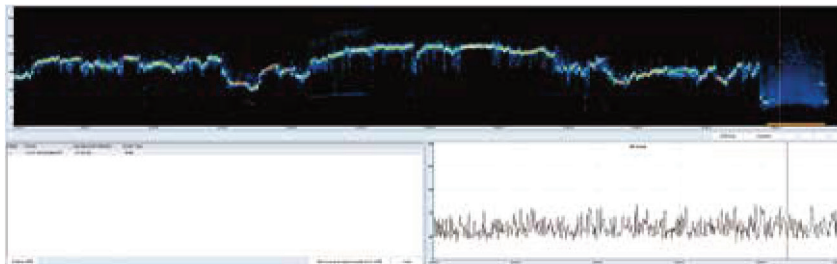
Interactive HRV Analysis

The HRV analysis module brings comprehensive information through Time-domain methods
and Frequency-domain methods, presenting Histogram, Trend Graph, Evaluation Table
and Spectrum.

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