TLC9803
Dynamic ECG Systems

Brief Introduction

TLC9803 Dynamic ECG Systems adapts 3−lead systems defined by our company, can record continuously ECG waves for 24h, and analyses waves with PC software. It is applicable in hospital and community medical establishment.

TLC9803

Recorder Features

- With advanced design and technology, the recorder can work stably, dependably and durably.
- Be provided with the capability of anti-jamming and aseismatic.
- Small volume with OLED screen. The resolution is 160*128.
- Be provided with functions of waveform preview, record review and event marking.
- Accurate record of the start time of the data sampled owing to the real time clock of itself.
- Avoid damage owing to the repeating inserting and pulling out by using the inbuilt TF card to storage the data.
- The maximum capability can be 2GB, so the original data can be saved perfectly by no compression.
- The average review time of single case can be less than 40 seconds by using interface of USB 2.0.
- Record waveform details inextenso by the design of high precision and sampling frequency.
- Record the state of pacemaker exactly by higher sampling frequency.
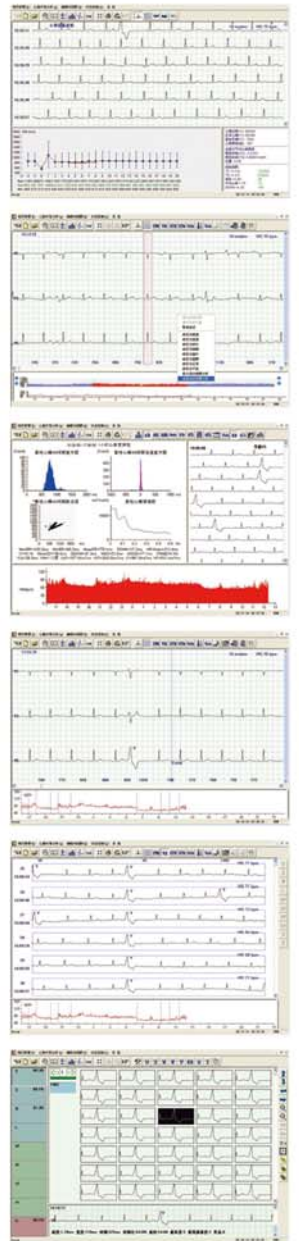
The Features of Software

- Quick and accurate analysis system.
- The 3-lead synchro analysis, to find accurate, QRS search can be accurate and no distortion.
- There are more than 10 templates as atrial premature beat module, ventricular premature beat module, long interval module, atrial flutter module, atrial fibrillation module etc. and multiplicate User-defined templates could almost identify every kind of pathologic waveforms.
- Flexible analysis channel selection function, can choose any channel as the mainly analysis the channel.
- Flexible atrial fibrillation analysis, so that physicians can use full, segmented automatic, manual analysis of atrial fibrillation, make the analysis more quickly and accurately.
- Powerful pacemaker analysis, on the AAI, VVI, DDD etc. all pacemaker analysis.
- Many pacine modules have been added.
- Fast review analysis function, can be any period of time the review single lead or all leads electrocardiogram.
- Analysis of heart rate variability with short-range 5 minutes and long-range 1 hour and 24 hour analysis of heart rate variability.
- One-stop printing operation, report printing process is convenient and quick.
- Perfect function of case management.
- Advanced ST segment analysis and myocardial ischemia total load, can for the ST abnormal analysis according to the whole and event, make the doctor can comprehensive judgment myocardial ischemia.
- Unique "Sleep breath pause syndrome analysis" analysis can predict Sleep breath pause risk.
- "HRT" analysis can predict the risk of death in patients with myocardial infarction.
- "T Wave alternation" analysis is an important index to predict malignant arrhythmia and sudden cardiac death .

Standard

- Number of channels: 3 channels
- Record time: 24 h
- Interface: USB2.0
- Standard Sensitivity: 10mm/mV±5%
- CMRR: ≥60dB
- Low-frequency characteristics: Time constant≥3.2s
- Scan speed: 25mm/s±5%
- Enduring polarization voltage: ±300mV DC polarization voltage,sensitivity shift≤±10%
- Least measure signal: 50 μV p-p
- Product safety type: Type B (Internally powered)

- Sampling accuracy:12Bit
- Power: 2 AA size batteries
- Scale voltage: 1mV±5%
- Noise level: ≤30μV

Accessories

Physical Characteristic

- Dimension: 111(L) X 60(W) X 25(H)mm
- Weight: About 105g(without battery)