

# CONTEC

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## Dynamic ECG Systems

### TLC6000



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# Dynamic ECG Systems

## TLC6000



12 - lead ECG



Real-time  
monitoring



Anti - interference and  
anti - vibration



One - stop print



Dynamic ECG Systems adopt 12-lead system of international standard, which can continuously record ECG waveform for 24-hour and analyze ECG waveform by the PC software. It is applicable for use in medical institution and community.

## Function

- ◆ Adopt 12-lead system of international standard, continuously record ECG waveform for 24-hour.
- ◆ Sync analysis for 12-lead, and any channels can be selected as the main analysis channel, which ensures that QRS waveform can be found accurately, and no distortion.
- ◆ With more than 10 templates(such as atrial premature beat, ventricular premature beat, long interval, atrial fibrillation, etc.) and many user-defined modules, which can almost distinguish any kind of pathologic waveforms.
- ◆ Flexible atrial fibrillation analysis, which ensures that physicians can use the whole or segmented AUTO/manual analysis, more accurate in atrial fibrillation analysis.
- ◆ All pacemakers(such as AAI, VVI, DDD etc.) can be analyzed by the powerful pacemaker analysis function.
- ◆ Single or full-lead ECG in any time bucket can be reviewed by the fast review analysis function.
- ◆ With analysis functions for 5-minute, 1-hour and whole heart rate variability.
- ◆ One-key print, convenient and fast to print the reports.
- ◆ The death risk in patients with myocardial infarction can be predicted by the "HRT" analysis function.
- ◆ "T-Wave alternation" is an important index to predict the malignant arrhythmia and sudden cardiac death.
- ◆ With QTD(QT dispersion), VCG(vector cardiogram), VLP(ventricular late potential) and TVCG(time vector cardiogram) analysis modules, more valuable in analysis report.

## Physical characteristic

- ◆ Recorder dimension: 81mm(L) × 60mm(W) × 22mm(H)
- ◆ Weight: about 61.5g(without batteries)

## Performance

- ◆ Lead: standard 12-lead
- ◆ Power supply: one "AAA" alkaline battery
- ◆ Interface: USB2.0
- ◆ Input impedance:  $\geq 10\text{M}\Omega$
- ◆ CMR:  $\geq 60\text{dB}$
- ◆ Gain accuracy: At all possible gain settings, the maximum amplitude error of the output is  $\pm 10\%$
- ◆ Gain stability: One minute after energizing the device, the gain change in stable ambient conditions shall not exceed 3% over a 24h period.
- ◆ System noise:  $\leq 50\mu\text{Vp-p}$
- ◆ Multichannel crosstalk:  $\leq 0.2\text{mV}$
- ◆ Frequency response: The amplitude response to sinusoidal signals within the frequency range 0.05Hz to 40Hz shall be between the +3dB to -3dB of the response at 5 Hz.
- ◆ Minimum measure signal: 50  $\mu\text{V}$
- ◆ Timing accuracy: the overall error during 24h shall not exceed 30s.

## Accessories

- ◆ Lead cable (1 set)
- ◆ ECG electrode (1 bag)
- ◆ USB cable(1)
- ◆ Software(1)
- ◆ Bag(1)
- ◆ User manual(1)