

Polysomnography Device

Sleep Fairy-A30



Simple

Easy

Smart

Compact

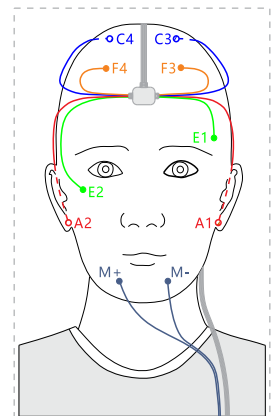
Professional sleep diagnostic device

Simple Operation and Comfortable

- Integrated design, 3.0 inch big colorful screen, real time display of waveforms;
- Compact, Light, Portable;
- Easy to use, high reliability, low use cost;
- Rechargeable Lithium-ion battery, over 12hours continuous working time.

Flexible use

- Wireless transmission function, convenient installation, flexible and stable performance;
- Using electrode slices, better signal quality, flexible and convenient;
- Support for voice playback, sampling frequency: 10KBSP. Belts with Plethysmography.



Automatic Data Analysis Software

- Auto and manual analysis function;
- High frequency and low frequency signals displayed with different scanning speeds on the same screen, making browsing more intuitive;
- Built in template report and Word format report. Word format report can be edited by physicians.

High-precision Sleep Data

- Innovative 3D gyroscope technology to detect chest/abdomen movement, with strong anti-interference and accurate data, that can monitor the subtle breath changes;
- PTT function can accurately reflect the change trend of blood pressure during the occurrence of breathing events and assist in the judgment of breathing events;
- FFT brain energy analysis: have statistics of different brain wave frequency range in different sleep stages, accurate search for abnormal events;
- Using nasal airflow simulation technology, invalid information can be deleted automatically.

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AASM Standard Software

28Channels: EEG(4 channels), ECG, EMG, EOG (2 channels), Heart Beat, PTT(Pulse transfer time), Respiratory effort, SpO2, Snoring(Vibration), Snoring(Sound), Airflow, Simulated airflow, Pulse Rate, Pulse Waveform, Chest Movement, Abdomen Movement, Leg Movement, Body position, Body movement, CPAP pressure , Simulated chest/abdomen movement, Voice record, Data duration, Free TF card room.

- High-precision computer signals and accurate automatic sleep analysis are displayed in playback images, and color labels are used to mark spindles, K composite waves, Delta waves, and inverted eye movements in REM stage.



Our device analysis time
5~10 minutes

VS

Traditional device analysis time
2 hours

- Professional polysomnography analysis software includes: sleep staging, breathing events analysis, sleep microstructure analysis, body position analysis, leg movement analysis, Microarousal events analysis, abnormal sleep analysis, etc.



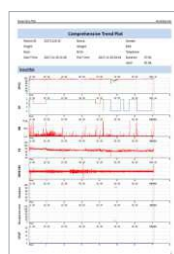
Sleep Monitoring Report



Breath Information Summary



SpO2 Summary



Comprehensive Trend Plot



Pressure Titration Report



Sleep Monitoring Comprehensive Report

Applicable departments

Respiratory department

Otolaryngology department

Neurology department

Geriatric department

Cardiology department

Endocrinology department

Pediatric

Professional monitor for sleep apnea syndrome, Nocturnal hypoxemia

Technical Index

- Size: 112.7 mm*72.3mm*23.9mm
- Weight: ≤200g (Battery inside)
- Power: Lithium-ion battery
- Channels: 28channels

- **EEG**

CMRR≥110dB; Impedance: ≥20MΩ; Noise Level (convert to input end): ≤1.8uV p-p; Operating Frequency Range: 0.1-30HZ; AD Accuracy 12bits; Acquisition Frequency 2048HZ.

- **EOG**

CMRR≥110dB; Impedance: ≥20MΩ; Noise Level (convert to input end): ≤1.8uV p-p; Operating Frequency Range: 0.1-30HZ; AD Accuracy 12bits; Acquisition Frequency 2048HZ.

- **EMG**

CMRR≥110dB; Impedance: ≥20MΩ; Noise Level (convert to input end): ≤1.8uV p-p; Operating Frequency Range: 0.5-30HZ; AD Accuracy 12bits; Acquisition Frequency 2048HZ.

- **ECG**

CMRR≥85dB; Impedance: ≥10MΩ; Noise Level (convert to input end): ≤20uV p-p; Heart Rate Range: 25-250 bits/min; AD Accuracy 12bits; Acquisition Frequency 2048HZ.

- SpO2: 80%-100%, tolerance≤2%;
- SpO2: 70%-79%, tolerance≤3%;
- Pulse: 30bpm-240bpm, tolerance≤2bpm;
- Respiratory Airflow: high sensitivity pressure sensor, frequency range: 5-60 bits/min; tolerance≤±2 bits/min;
- Chest and abdomen movement: Plethysmography+3D gyroscope sensor, tolerance≤±2 bits/min;
- Leg movement: 3D sensor, tolerance≤±2 bits/min;
- Snoring: sensor built in the device.



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