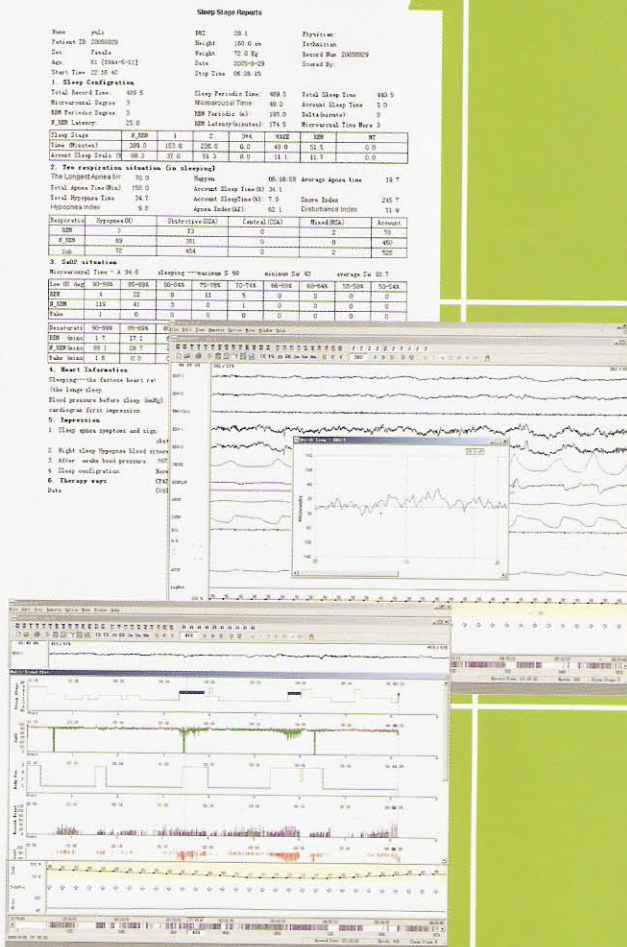


Acumen™

Polysomnography Sleep Diagnostic System

A truly turn-key, network ready sleep diagnostic System for sleep lab or stand-alone applications:



- 24channels real-time data acquisition and storage;
- The most comprehensive software for data analysis and reporting;
- Synchronized digital video(infrared);
- Automatic web data transferring;
- Wireless communication;

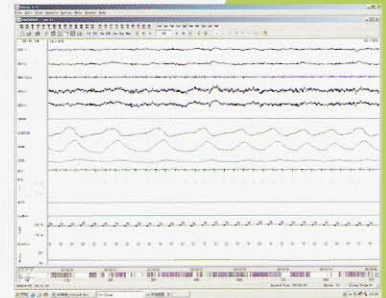
EEG/EOG/EMG/ECG;
SaO₂/PTT; Nasal-oral
Airflow; Leg Movement;
Body Movement; Body
Position; Snore; RIP Chest/
Abdominal movement;
CPAP pressure/CPAP Control;

Acumen™

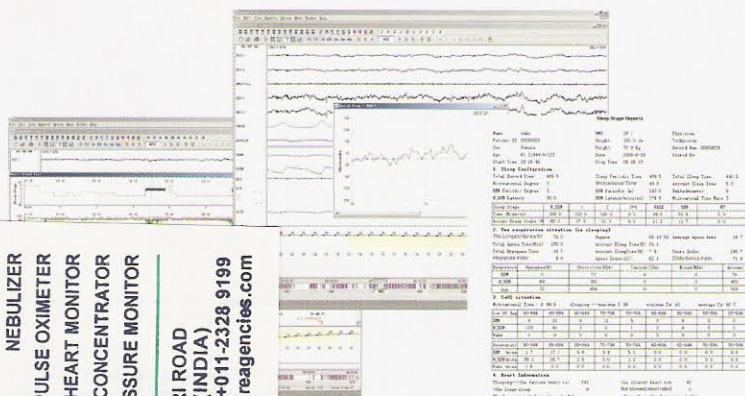
Polysomnography Sleep Diagnostic System

Acumen™ SLEEP DIAGNOSTIC SYSTEM

Designed to be simple yet comprehensive, **Acumen™** is a complete "turn-key" Polysomnography sleep diagnostic system including real-time data acquisition, storage, analysis (scoring), report generation and data presentation.



- Flexible for different environments: from professional sleep lab to home
- Pressure sensor based airflow detection: accurate, easy for CPAP titration
- Respiratory Inductive Plethysmograph technology for monitoring Respiratory effort: high sensitivity, high conformity
- Up to 24 channels with 8 Auxiliary DC channels for external devices such as Capnograph
- High EEG/EOG/ECG sampling rate
- Wireless (option) communication between sensor box and PC: no hard wire connection required
- Digital Video (Infrared) in sync with high data compression ratio (500MB/10Hours)
- One of the most advanced PSG software in the market :fast, multi-beds (up to 4 beds), straightforward user interface, proven algorithms, extensive analysis tools and customizable reports, etc.
- Remote Network (internet) data management



HIGH FIDELITY PHYSIOLOGICAL SIGNAL ACQUISITION:

- Electroencephalography (EEG);
- Electro-oculography (EOG);
- Electromyography (EMG);
- Nasal-oral airflow (low pressure technology);
- Electrocardiogram (ECG);
- Oxygen saturation (SaO₂);
- Respiratory Inductive Plethysmography (RIP) for Thoracic and Abdominal movement;
- Snore;
- Leg Movement;
- Body Position;
- Body Movement;
- CPAP pressure;

Software Features:

- Auto Scoring/Manual Editing/Events Navigation/Events Logging/HRV Analysis/PTT analysis/Digital Signal Processing/Trend Plots/Open Platform Data Base/CPAP Titration/Cusomizable Reports

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