

Tools for the Recording Technologist

AASM V 2.0* Compliant - Profusion Sleep4 meets the latest AASM scoring rules.

*AASM Manual for the Scoring of Sleep and Associated Events, Version 2.0.3 (at time of release)

Allows expanded reporting for hypopneas including:

- Hypopneas meeting the new AASM rule of a 3% desaturation or an arousal
- Hypopneas meeting the traditional Medicare rule of a 4% desaturation
- Hypopneas meeting your traditional lab rule
- New report codes allow reporting of AASM, Medicare, and/or traditional hypopneas for numeric or chronological bi-level pressure treatment.

Totally Redesigned Ribbon Bar User Interface

The software has been redesigned to use the popular intuitive ribbon bar menu user interface, replacing the traditional menu and toolbar. Related functions are now organized in logical groups - making them easier to find.

Enhanced Pageback (PSG Online) Integrated Pageback

Full automatic and manual on-line scoring or editing capabilities.

Video Review in Pageback

Don't miss what the patient was doing while you attended to another.

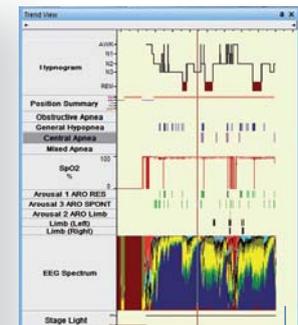
Respiratory SUM channel is also available in Pageback view.

The Respiratory Sum channel aids in the identification and classification of respiratory events, making it easier to score during acquisition.

Decision Assist

Aids deciding when to start CPAP titration in a split night study. Set your criteria for sleep and REM time, respiratory disturbances and oxygen saturation levels.

| Parameter | Threshold | Current Value |
|----------------------------|-------------|---------------|
| Time since lights out | 120 minutes | 47 minutes |
| Time asleep | 60 minutes | 29 minutes |
| Time in REM sleep | 10 minutes | 0 minutes |
| Total Apneas and Hypopneas | 40 | 11 |
| AHI | 40 | 16.9 |
| Time with SpO2 <= 80 | 10 minutes | 0 minutes |
| Number of desats >= 10 | 5 | 0 |
| Study time remaining | 180 minutes | 301 minutes |



On-Line Trend View

Provides extensive information including any scored events, particularly useful during CPAP or Bi-level treatment.

Drag-and-Drop Traces

Drag traces off screen to delete, drag in from a list to select. Move a trace by dragging and dropping in a new position.

ECG free trace transformation

Score during acquisition and frustrated with ECG artifact? **ECGfree** is now available during Pageback.

Turn this

To this ... with ECG free

Tools for the Recording Technologist

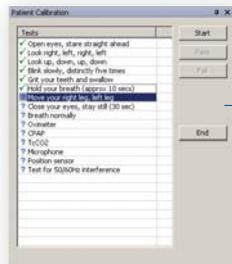
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Enhanced My Workspace

Now recording staff can have four individualized workspaces to customize their views and the ability to return to a default workspace when needed.

Online Respiratory Rate

Quick on-screen calculation. Provides additional information, especially for pediatric patients.



Simple Patient Calibration Routine

Conveniently saves calibration data separately from the study data. Easily compare patient baseline to current study data.

Support for High-Definition Video Cameras Fully Synchronized High Definition Digital Video/Audio Recording

Helpful when studying patients with parasomnias and seizure disorders. Features digital pan, tilt and zoom to record patient activity throughout the night.



Konno-Mead Loops

Visual breathing analysis tool. Identify periods with increased work of breathing or paradoxical breathing.

Flow Volume Loops

The easiest way to monitor upper airway resistance.

Visual and/or Audio Notifications on Calibrated Channels

Helps ensure critical events are not missed.

| Time | SpO2 | Snoring | Observed resp events | Humidifier level | Comments | Confirm | Confirmed Time |
|------------------------|------|--------------------|---------------------------|------------------|-------------------|-----------|---------------------|
| 01/06/2006 11:15:37 PM | 97% | Soft, intermittent | only at sleep onset | N/A | rapid Sleep onset | Confirmed | 01/06/2006 11:17 PM |
| 01/06/2006 11:30:37 PM | 95% | Yes | mostly hypopneas, some OA | N/A | no supine sleep | Confirmed | 01/06/2006 11:37 PM |
| 01/06/2006 11:45:37 PM | 95% | Yes, loud supine | OA, Hypopneas | N/A | Now supine | Confirmed | 01/06/2006 11:47 PM |

Charting Tool

A handy reminder to chart observations. User defined forms that pop-up at pre-defined intervals.

User Defined Manual Inputs

Create inputs to manually track important information such as body position and snoring level.



PROFUSION **nexus**™ *The Ultimate Lab Management Tool*

Profusion Sleep4 integrates directly within the Profusion neXus Lab Management System to optimize workflow and enhance efficiency in your diagnostic or research laboratory.

Profusion neXus is a patient centric data and management solution for the laboratory.

Profusion neXus is extremely flexible and securely manages and helps control data in any study setting. Whatever your requirement, no matter how large or small your lab, you'll benefit from the impressive capabilities and efficiency offered by Profusion neXus.

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25 YEARS OF
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