COMPUMEDICS®



FALCON®
PSG

A New Era in
Sleep Diagnostics

FALCON®
PSG

Maximise your facility's efficiency and flexibility with the New Falcon® PSG universal solution.

- Optimised for In-Lab PSG and home sleep testing (HST).
- Supports Level 1 and Level 2 sleep diagnostic pathways, compliant with applicable AASM guidelines.
- Flexible channel and sensor configuration to suit a range of clinical applications.
- Intuitive and easy patient setup with colour coded electrodes.
- Fully cloud-enabled with Profusion Cloud Services and Nexus 360® integration.
- Wi-Fi capability allows for real-time monitoring along with offline data downloading and study setup.
- Complete options for sensors including disposable and reusable.

Falcon™ PSG Solution Highlights

One Platform for a Changed Diagnostic Pathway.
As sleep diagnostics shift toward HST-first pathways, Falcon PSG bridges home and lab testing in a single system, adapting to any workflow without duplicating technology or compromising clinical scope.

Clinical-Grade PSG for Complex Pathways.
A true AASM-compliant Level 1 PSG system engineered for complex, compliance-driven and workflow-critical studies, delivering high-fidelity physiological data for earlier insights and confident clinical decisions.

Designed for Efficiency, Comfort and Confidence.
Falcon PSG simplifies setup, improves patient comfort, and reduces barriers to care wherever studies occur.

Seamless Integration Across the Sleep Ecosystem.
Secure, reliable connectivity with Profusion PSG and Nexus 360 supports monitoring, flexible review, and scalable workflows across local or cloud-based environments.



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Light, compact and full featured PSG solution

Pressure Based Airflow Channel
- Male Cannula connector
- Pressure range can be used for airflow

Integrated Full Colour High Resolution Capacitive Touch Screen
- For intuitive interface

High Resolution & Quality Signal Capabilities

Integrated 7GB Storage for Studies

2 High-Speed Channels
- EEG, EOG or EMG
- All bi-polar with 1.5mm touch proof for a variety of uses
- 256 sps, 24 bits, DC coupled

2 High-Speed Channels
- EEG, EOG or EMG (Leg)
- Keyway touch proof for a variety of uses
- 256 sps, 24 bits, DC coupled

High Speed AUX
- AUX signal (Thermocouple), or EMG
- 256 sps, 24 bits, DC coupled



Integrated Bluetooth 5.2

Wireless Bluetooth Oximeter
- Wrist Oximeter

Docking station for charging and data transfer



Power Button



Rechargeable Lithium Ion Integrated Battery
- Guaranteed 12 hours of patient recording excluding patient setup

11 High-Speed Channels
- EEG, EOG or EMG
- All bi-polar with 1.5mm touch proof for a variety of uses
- 256 sps, 24 bits, DC coupled
- Colour coded for easy setup

Pictured Actual Size
- 80 x 80mm

High Speed ECG Channel with Snap to Snap Leads
- Two bi-polar with 1.5mm touch proof for a variety of uses
- 256 sps, 24 bits, DC coupled

Thoracic Inductive Plethysmography Belt
- Dedicated disposable or reusable inductive band attach directly to the unit
- 64 sps, 24 bits

Abdominal Inductive Plethysmography Belt
- Dedicated disposable or reusable inductive band
- Lower band mounts to a short cable from the unit with two snaps
- 64 sps, 24 bits

Integrated Position and Accelerometer
- Three axis accelerometer providing position & movement signals
- 32 sps

Snap Connections at the back of the Falcon™ make setup quick and easy using the Falcon PSG RIP Effort bands and ECG connections.

Charging Dock Connection
- Magnetic connection to ensure proper alignment for charging every time



Falcon™ PSG System – Software Deployment Options

The Falcon™ PSG system offers unmatched flexibility and precision in lab and home sleep testing, providing seamless software deployment solutions tailored to the unique operational needs of your practice.

profusionSLEEP

Local Profusion PSG Software: Host a localised version of the **Profusion PSG software** specifically tailored to manage and operate the Falcon™ PSG system effectively within your own infrastructure.

profusion neXus 360®

Customer-Hosted Nexus 360: Choose the comprehensive **Nexus 360 data and workflow management platform**, installed and managed on your own IT infrastructure, delivering a robust, centralised system for complete patient and study data management.

Customer Hosted Deployment

In this deployment model, customers manage and host the software directly on their own computers or servers. This approach provides maximum control and flexibility.

Compumedics Hosted Deployment

Compumedics provides a fully managed hosting solution through its unique cloud services offering.

Choose the deployment option best suited to your operational needs, confident in the knowledge that Compumedics' Falcon™ PSG delivers industry-leading solutions for effective sleep diagnostics and patient care.

Falcon™ PSG Sensor Kits

A full complement of PSG and HST reusable and disposable sensor kits for level 1 and level 2 applications are available in various sizing.

Falcon™ HST

Do more HST than PSG?

Falcon HST may be the right solution.

- Level 2 unattended solution.
- Simple setup and fast patient turnaround.

FALCON™ HST



Learn More

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www.compumedics.com

Product available in selected markets. Please check with your local Compumedics representative for product information and availability for your region.

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