



 **FALCON**[™]
HST

Simplicity and efficiency
in Home Sleep Testing

FalconTM HST transforms Home Sleep Testing through its unmatched simplicity, flexibility, and clinical precision.

The solution is designed for fast and efficient patient self-setup without compromising signal quality. From data recording to study reporting, the FalconTM HST is seamless – leveraging Compumedics deep experience and best-of diagnostic technologies.

FalconTM HST Solution Highlights

Operational Excellence with Cloud and Local Integration

Seamlessly operate with either local software or comprehensive cloud services, simplifying data management and streamlining workflows to enhance operational efficiency.

Advanced Sensor Flexibility and Quick Patient Setup

Utilize reusable or disposable study kits featuring intelligent numbering and color-coded wiring, ensuring rapid and error-free patient setup without compromising clinical accuracy.

Patient-Friendly Design with Minimal Interaction

An intuitive colour touchscreen, internal rechargeable battery, magnetic docking, and clear on-screen connection feedback minimize patient interaction and reduce setup anxiety.

Superior High-Resolution Physiological Signals

Capture highly precise physiological data through advanced signal processing, ensuring reliable and accurate diagnostic outcomes, aligning with AASM and CMS standards.

Full Mobility and Ease of Use

The lightweight, compact design paired with integrated Bluetooth and wireless capabilities ensures a comfortable patient experience, enabling effortless mobility and convenient home testing.



Light, compact and full featured HST solution

Two High-Speed Channels

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

High Speed AUX Channel

- AUX signal, or EMG
- 256 sps, 24 bits, DC coupled

Pressure Based Airflow Channel

- Female lure lock
- Pressure range can be used for airflow
- 170 sps, +/- 70cm H2O

Small and Lightweight

Pictured actual size
82.5mm x 58.5mm
3.248 x 2.3inches

Integrated Full Colour High Resolution Capacitive Touch Screen

For intuitive interface

Integrated 4Gb Storage

- 3Gb for Studies

High Resolution & Quality Signal Capabilities

Rechargeable Lithium Ion Integrated Battery

- Guaranteed 12 hours of patient recording excluding patient setup

Docking station for charging and data transfer



Power Button



Charging Dock Connection

- Magnetic connection to ensure proper alignment for charging every time

Product is pictured actual size

Integrated Bluetooth 5.2

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, 16 bits

Abdominal Inductive Plethysmography Belt

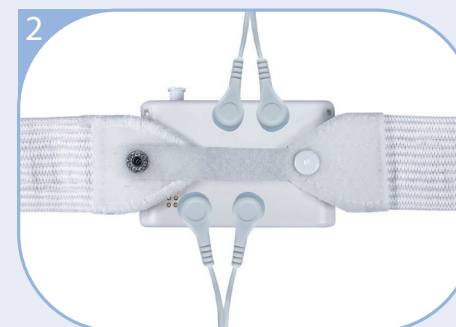
- Dedicated disposable or reusable inductive band
- Lower band mounts to a short cable from the unit with two snaps
- 64 sps, 16 bits

Integrated Position and Accelerometer

- Three axis accelerometer providing position & movement signals
- 1 sps

Wireless Bluetooth Wrist Oximeter

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



2 YEAR
WARRANTY
ON HARDWARE

Falcon™ HST System – Software Deployment Options

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

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, allowing two primary configurations:

 **profusion SLEEP**

Local Profusion PSG Software: Host a localised version of the Profusion PSG software specifically tailored to manage and operate the Falcon™ HST 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, centralized system for complete patient and study data management.

Compumedics Hosted Deployment

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

 **HST Cloud Services**

Compumedics HST Cloud Services (via Nexus 360): Experience the convenience and security of Compumedics' dedicated cloud-based Nexus 360 service. This fully hosted solution significantly streamlines workflows by enabling seamless remote data access, management, and collaboration across devices, anytime and anywhere.

 **proDigi™**

ProDigi™ Scoring and Reporting: Integrated within Nexus 360, ProDigi™ offers advanced scoring and reporting capabilities, further enhancing productivity, accuracy, and clinical outcomes.

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

Full complement of Reusable and Disposable HST Sensors and Sensor Kits.

Falcon™ HST Solution includes:

- Falcon™ HST device
- Falcon™ carry case
- Docking station for charging and data transfer
- Charging cable USB
- Falcon™ HST lead kit
- Falcon™ HST disposable kits*
- Wireless Bluetooth Oximeter
- RIP inductive effort bands
- Profusion PSG 5 Falcon™ HST* Edition Software Pack
- Two-year device warranty

*Gold Standard
sensor technology
as recommended
by AASM.*

