

# Somfit<sup>®</sup> Small, simple to use and comfortable



Somfit<sup>®</sup> is a wearable device for collecting patients' physiological data, primarily for use in assisting medical professionals to diagnose sleep disorders.

## Ease of use and comfort were the main considerations in the design of the Somfit<sup>®</sup>

The Somfit<sup>®</sup> system comprises of the Somfit<sup>®</sup> device, a disposable adhesive electrode and a phone app.



**A single-use adhesive-gel electrode.** This is worn on the patient's forehead and collects the physiological data.



**The Somfit<sup>®</sup> device,** is pressed onto the electrode. The Somfit houses the sensors and transmits the data to the Somfit App via Bluetooth.



**The Somfit<sup>®</sup> App** This is used to control the Somfit and to transmit the study data to be processed.



**Profusion neXus 360<sup>™</sup> Lab Management system** is designed to support the continuing evolution of labs and clinics.

## Somfit<sup>®</sup> Measures

- Automatic Hypnogram
- EEG (1ch)
- EMG (1ch, measured)
- EOG (2 ch, measured)
- Blood Oxygen Sat (SpO2)
- Pulse (Heart Rate)
- Peripheral Arterial Tone
- Movement
- Snore
- Ambient Light
- Automatic Stage Light Off/On



## Sleep Medicine Challenges Today

In the United States, over 30 million Obstructive Sleep Apnea (OSA) patients remain undiagnosed and at risk for long term health complications.

Current challenges exist across health systems and physician practices in getting patients diagnosed and treated safely and efficiently.

*“Hidden health crisis costing America billions,”*  
- American Academy of Sleep Medicine

## Sleep Disorders - The hidden health crisis.

<p><b>OVER 30m</b></p>	<p>Undiagnosed OSA patients in the USA.</p>	<p><b>NEARLY \$150B</b></p>	<p>Economic burden of undiagnosed OSA patients in the USA.</p>
<p><b>OVER 60m</b></p>	<p>People suffering from some form of sleep disorder in the USA.</p>		<p><b>Current Challenges</b> Getting patients diagnosed and treated safely and efficiently.</p>

## How Somfit® solves those Challenges

With these challenges in mind Compumedics focused the Somfit design and application on being easy to use, light and comfortable, while enabling the collection of high-quality signals providing medical grade data to aid in clinician’s diagnostic capabilities.



**Quick and simple application. No wires.**    **Easy to use APP.**    **Light and comfortable.**    **Medical grade data.**

