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**nox** MEDICAL



## Nox SAS

### Make polysomnography simple - in hospital and at home

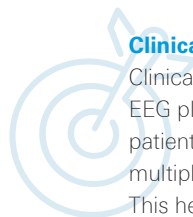
With comparable accuracy to a conventional PSG study<sup>1</sup>, the Nox SAS is an innovative solution for recording EEG, ECG and EMG data via electrodes positioned along the forehead. This simplified setup saves you time and gives your patients the ability to run their own setup at home<sup>2</sup>.

[ResMed.com/NoxSAS](https://ResMed.com/NoxSAS)



#### **User friendly**

The Nox SAS has been designed with comfort in mind, whether in the home or in the sleep lab. This quick and simple solution has electrodes that only need to be placed along the forehead, helping your patients feel like they're sleeping under more normal conditions. As Nox SAS is designed to be easy to install, it can be setup with minimal training and supervision, helping you diagnose more potential patients compared to a conventional PSG.



#### **Clinical accuracy**

Clinical studies<sup>1</sup> have shown the setup has a low EEG placement failure rate. With Nox SAS, your patients can easily perform home sleep tests over multiple nights, without repeat trips to your sleep lab. This helps capture an average of their normal sleep habits, reducing variability of results for more precise readings.



#### **Resource optimisation**

As Nox SAS is easier and quicker to install and clean after removal compared to a traditional setup, you'll need to spend less time training staff and patients as well as giving instructions. This helps you to optimise resources and provide better care.

# Simplified solution compatible with Nox A1s

## Main differences between Nox SAS and a conventional setup

Nox SAS uses comparable physiological signals to those used in a traditional PSG<sup>3,4,5</sup>, with these additional enhancements:

- Forehead EEG electrodes for avoiding application on the scalp or chin
- Simplified setup for home PSG studies
- 4 ECG electrodes

## When to use Nox SAS

The Nox SAS solution can record high-quality EEG data during a sleep study<sup>2</sup> at a patient's home, in hospitals, institutions, sleep centres and sleep clinics, or other test environments. The flexibility of Nox SAS enables you to carry out sleep tests wherever your patient sleeps, while maintaining high-quality signals.

## Signals recorded with Nox SAS

The Nox SAS can measure nine channels, recording EEG and EOG (including EMG).



## Items required to enjoy the Nox SAS experience

Nox SAS Head Cable, CE	70710079
Nox SAS Body Cable, CE (Left)	70710078
Nox SAS Body Cable, CE (Right)	70710077
Nox SAS Electrode Pack (20 pcs)	70710076
Nox SAS Neck Band (20 pcs)	70710075
Nox SAS Disposable Carton (20 pcs)	70710074

## Nox SAS main items



### Nox SAS body cables

- available in one size, adult
- 206cm (81in) long
- blue right-side cable
- red left-side cable



### Nox SAS head cable

- available in one size, adult
- 95cm (37in) long



### Nox SAS electrode pack

- Nox Single Snap Electrode
- Nox Double Snap Electrode
- Nox Adhesive Strip - Short
- Nox Adhesive Strip - Long

**The Nox SAS body and head cables as well as the electrode pack come clean and ready for use.**

Please refer to the user guide for relevant information related to any contraindications, warnings and precautions to be considered before and during use of the product. This content is intended for health professionals only.

1. Nox Medical. Clinical Validation - Nox SAS Sleep Stages and Arousal Scoring Report. 2023.
2. Punjabi NM, Brown T, Aurora RN, et al. Methods for home-based self-applied polysomnography: the Multicenter AIDS Cohort Study. *Sleep Adv.* 2022;3(1):zpac011. doi:10.1093/sleepadvances/zpac011
3. Punjabi NM, Kaplan PW, Margolick J, Aurora RN. 0319 A Simplified Bipolar Frontal Montage for Recording and Staging Sleep. *Sleep.* 2018;41:A122-A122. doi:10.1093/sleep/zsy061.318
4. Kainulainen S, Korkalainen H, Sigurðardóttir S, et al. Comparison of EEG Signal Characteristics Between Polysomnography and Self Applied Somnography. Setup in a Pediatric Cohort. *IEEE Access.* 2021; 9:110916-110926. doi:10.1109/ACCESS.2021.3099987
5. Rusanen M, Korkalainen H, Gretarsdottir H, et al. Self-applied somnography: technical feasibility of electroencephalography and electro-oculography signal characteristics in sleep staging of suspected sleep-disordered adults. *J Sleep Res.* 2023:e13977. doi:10.1111/jsr.13977

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