

Pioneering a New Direction in Sleep™

Visit our virtual sleep lab and let us show you an option just right for you.

Nomad

Fulfill your Type III home sleep testing (HST) needs with the 12 channel Nomad® recorder. For years the mix of core competencies in hardware and software that Nihon Kohden has presented to the market has moved sleep medicine in a new direction. The Nomad is the latest in the continuation of that effort. This new lightweight Type III recording device elegantly combines compact size, ease of use and compatibility with Polysmith® software. The Nomad recorder and software were developed in parallel to create an intuitive user and patient interface.

The Nomad utilizes off the shelf sensors and AA batteries to keep your overhead expenses down. To minimize technician instruction time with patients, each Nomad comes with a patient instruction video for applying sensors and the Nomad. With Bluetooth® and USB connection options, the Nomad seamlessly integrates with the Polysmith DMS program to provide easy initialization, downloading, scoring, reporting and tracking of studies.

Connectivity is important for flexibility and functionality. Nomad allows wired (USB) or wireless (Bluetooth) connectivity allowing easy interface with both laptops and desktop PCs. Further PC interface will allow initialization of the recorder as well as live monitoring of the data to insure quality patient hookup and patient education.

Patient consideration is also important with a portable recorder. The patient's interface with the device needs to be minimal to start and stop the recording. For this reason we incorporated the auto start function. After the recorder is initialized by the technician the patient only needs to put on



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Features:

When developing the Nomad recorder we listened to market feedback and focused on achieving a combination of high quality, user friendly and cutting edge features. The Nomad was created with both the clinician and patient in mind. Nomad features include:

- Auto start upon valid pulse signal
- Color coded sensors and sensor receptacles
- Bluetooth interface
- Neoprene pouch
- Built in body position sensor
- Built in pressure transducer
- 2GB of onboard data storage
- USB interface to PC
- 24 hours of recording time with 2 AA batteries

the oximeter probe to start the recording. Once a solid light appears in the probe the recording is started. We also color coded the sensor ports on the Nomad to ease set up for the technicians and the patient.

Sensors

Reliable and easy to use sensors that meet and even exceed AASM guidelines are vital to the performance and success of home sleep testing programs. We have partnered with sleep sensor companies to create a package of sensors specifically designed to work with Nomad. Our start up package includes the following items allowing you to begin recording right away.

All applicable sensors are color coded for easy set up and breakdown. All sensors use easy to lock in keyhole connectors to insure secure connection with the recorder for the entire night. Durable lightweight design ensures a long lasting life and lower cost of ownership.



- **Neoprene pouch**



- **Nasal pressure and thermal airflow with snoring**



- **Nonin™ pulse oximeter**



- **Optional leg sensors with ankle bands and wireset**

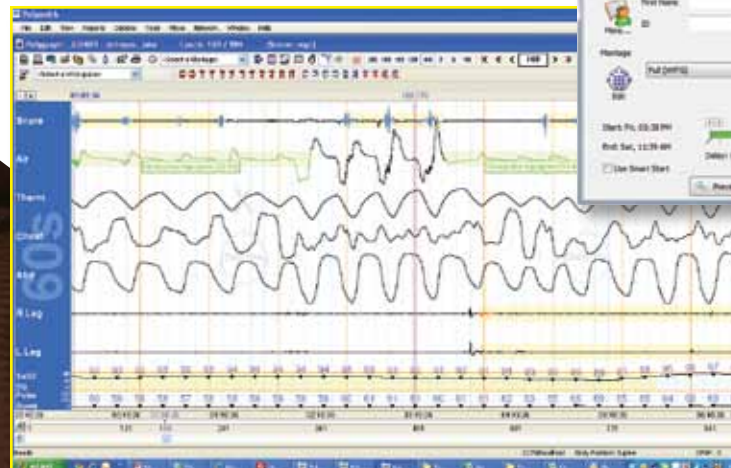


Polysmith Software Package

Polysmith sleep recording and analysis software as well as Polysmith DMS (data management system) is among the most well known and comprehensive sleep diagnostic software available in the world today. This proven software package works with or without Nomad. Polysmith, now more robust and easier to use than ever, integrates with Nomad to ease scheduling and processing of HST patients. New to Polysmith and Polysmith DMS are the following features purposely integrated for Home Sleep Testing.

- Schedule HST patients on DMS calendar
- Initialize recorder from calendar interface
- Initialize recorder from Polysmith interface
- Auto recognition of data (Type I, II or III) when recording is loaded
- Store recorder Type (I, II, III) with each study for easy query
- View live data on Polysmith acquisition screen
- Standard or custom reporting for any Type (I, II, III) of recording
- Social history questionnaires to correlate sleep habits with outcomes and aid with scheduling

Polysmith data screen Nomad

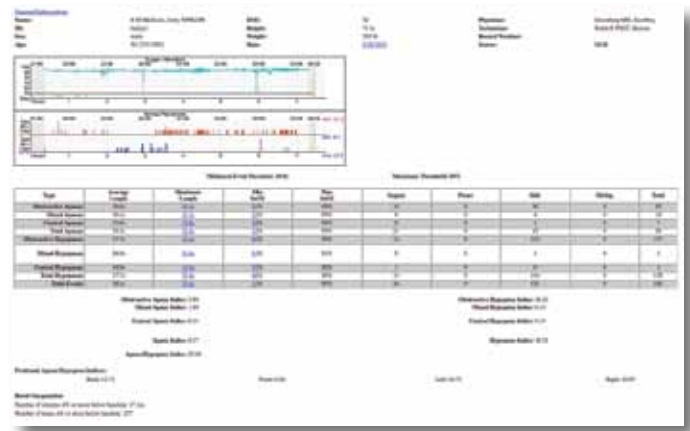


**Nomad
initialization
dialog**

Whether you will start an independent HST program or integrate it into your sleep lab, Polysmith and Polysmith DMS can handle even the largest and most complex installations. Polysmith is the world's most all-inclusive and easy to use PSG\HST acquisition and analysis programs. A single application is all the clinician needs to learn to monitor patient data acquisition, analysis and HST interface. Multi-tasking is available with Polysmith's ability to simultaneously record data and score live recordings, as well as pre-recorded studies. This will allow you to keep up with in-lab tests when you have a full schedule of HST patients. Polysmith also offers the most advanced auto analysis modules on the market today.



Polysmith DMS scheduler



Surveysmith® report

Polysmith DMS Scheduler and Database

Polysmith DMS combines data management, acquisition, analysis and report generation into a single portal. Available in a basic and advanced package, Polysmith DMS gives caregivers the ability to process sleep studies anywhere, anytime. An interactive calendar displays scheduled recordings in monthly, weekly or daily views. Open recordings, launch recordings or schedule new recordings directly from the calendar interface. Polysmith DMS streamlines data archival, simplifies scheduling and automates record location allowing your staff to efficiently manage administrative tasks while optimizing patient throughput. In addition to our exclusive HST features some additional capabilities are:

- Patient scheduler
- Secure customizable log in and access rights
- Recording status management
- Patient status management
- Selectable block out dates
- Room and bed number display
- Study type display
- Customizable database fields
- Drop down menus for easy data entry
- Patient and recording search engine with hundreds of fields to query
- Dozens of patient information fields
- Easy to use patient information dialog
- Automatic archiving
- Electronic attachments

SPECIFICATIONS

- Battery type: 2 x 1.5 V AA battery (or alkaline equivalent)
- Weight: 180g (without batteries)
- Size: 4.625 x 2.85 x 1.0 inches (L x W x D)
- ADC resolution: 16 bits
- 5 bipolar inputs
 - 3 respiratory channels
 - 2 limb movement channels
- 1 DC input
- Integrated Nonin SpO₂
- Integrated body position sensor
- Pressure transducer channel with derived snore channel
- Maximum sampling rate 250Hz

Polysmith, Surveysmith and Nomad are registered trademarks of Neurotronic, Inc. a wholly owned subsidiary of Nihon Kohden Corporation.

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Nonin is a trademark of Nonin Medical Inc.



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