



# Fits in the palm of your hand

Stardust II portable diagnostic system

**PHILIPS**  
RESPIRONICS

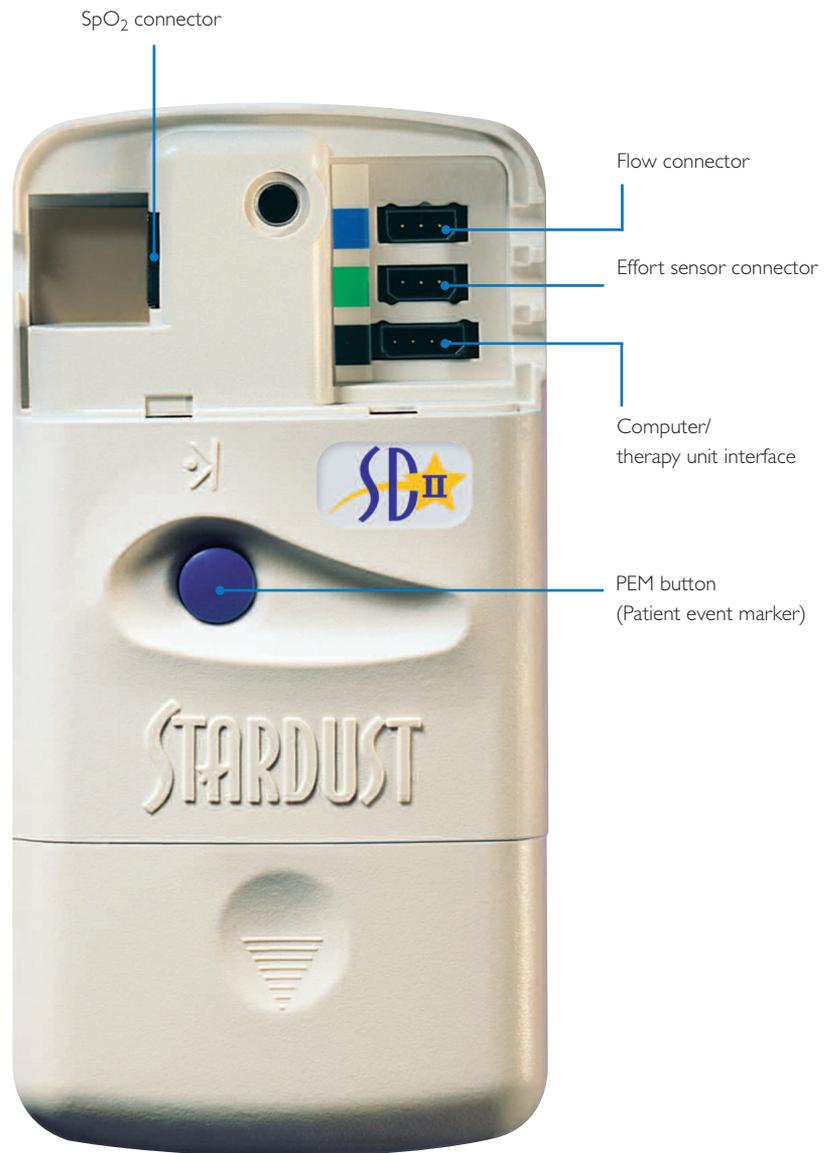
# Convenient for scheduling and assessing

The system detects apneas and hypopneas by measuring:

- Pressure-based airflow with snoring detection
- Pulse rate
- SpO<sub>2</sub>
- Chest or abdominal effort
- Body position changes

Positive pressure therapy can be measured when using certain Resprionics therapy devices. The patient event marker can be used to track lights out, bathroom visits, and other activities. And, the internal body position monitor measures supine or non-supine positioning.

Stardust can help free your business from scheduling problems. From the comfort of your patients' homes, you can screen and diagnose, evaluate treatment and perform follow-up studies. You can assess patients wherever they sleep—whether it's in your lab, in their homes or while traveling. This gives you the flexibility you need to run your business more simply and easily.



## Accessories help to ensure successful testing



### 1. Nasal air pressure cannula

- measures airflow



### 2. Finger clip oximeter

- sensor is easy to apply
- measures pulse rate and oxygen saturation (SpO<sub>2</sub>)



### 3. Effort sensor

- fully adjustable strap
- measures chest or abdominal effort

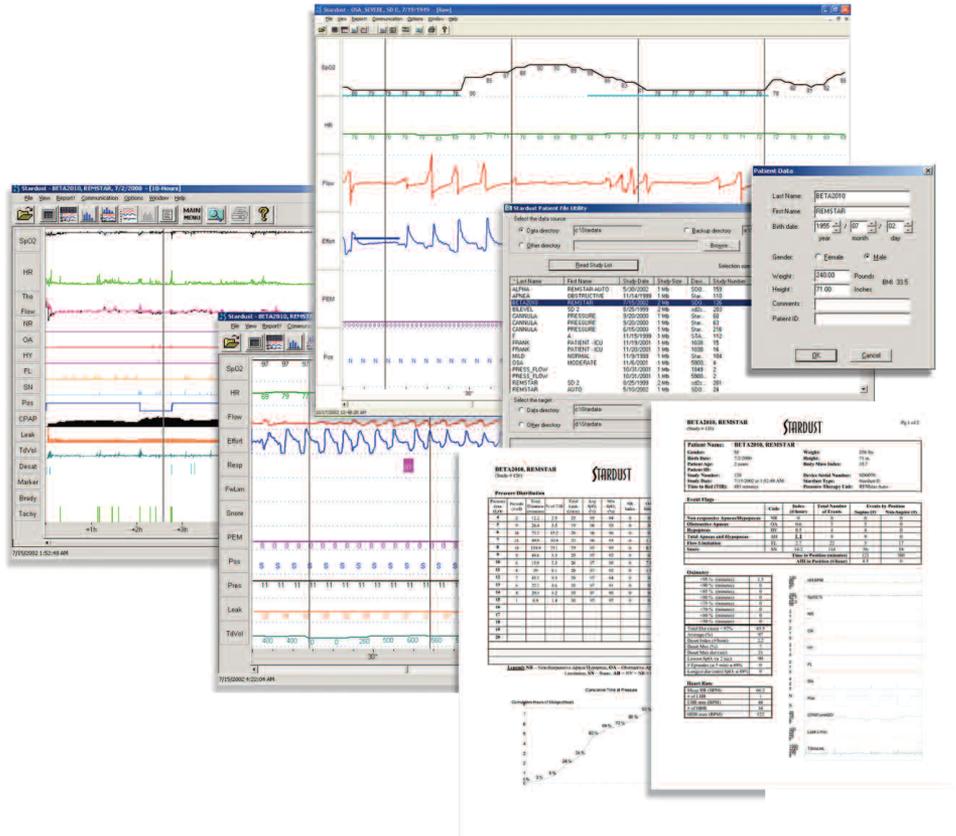


### 4. Stardust pouch

- holds the Stardust II recorder during testing
- stabilized in two places; helps the pouch remain in place during the night

# Intelligent software

Host software, based on Respironics' proven Sleepware diagnostic software, provides reliable technology in an affordable package. The simplified, Windows®-based application is easy to learn and easy to use. Preprogrammed default settings make Stardust II a powerful tool right out of the box. Advanced flexibility lets clinicians customize reports, manually score studies and email these studies right from the software.



# Stardust and REMstar Auto

Perhaps the most powerful feature of the Stardust II is its ability to be used with the REMstar Auto with A-Flex. Working primarily by measuring instances of flow limitation, the REMstar Auto uses systematic, subtle changes in pressure and assesses the impact of these changes on the patient's breathing patterns. These proactive changes in pressure and assessment of flow limitation are continually searching for the best possible pressure level for the patient.

The ability of REMstar Auto to find ideal pressure levels and the Stardust II's powerful recording capability make these two products an optimal duo when you want to titrate patients efficiently, effectively and comfortably. When using REMstar Auto with A-Flex, your patients can feel the difference in a whole new way.



When used in conjunction with the REMstar Auto, Stardust II can record snoring, mask leak and apneas and hypopneas as identified by the REMstar Auto's flow detection algorithms. Additional results, including tidal volume, respiratory rate and pressure trends, also can be recorded when using the Stardust II with the REMstar Auto and certain other Respironics therapy devices. Other parameters may be available for recording depending upon the Respironics therapy device being used.

### Product specifications

|                              |  |
|------------------------------|--|
| Maximum recording time       | 8.5 Hours  |
| Sample rates                 |  |
| Airflow                      | 200 Hz (respiration)   |
| Effort                       | 200 Hz   |
| Oximetry                     | 80 Hz  |
| Pressure therapy parameters* | 0.2 to 10 Hz   |
| Maximum battery life         | 17 Hours for 9V<br>5 years for internal lithium<br>(system memory and clock) |
| Parameter ranges             |  |
| Flow                         | 4 – 40 BPM   |
| Effort                       | 4 – 40 BPM   |
| Position                     | Supine and non-supine  |
| SpO <sub>2</sub>             | 50 – 100%  |
| Pulse rate                   | 20 – 200 BPM   |
| Pressure*                    | 0 – 30 cm H <sub>2</sub> O   |

### System physical characteristics

|        |   |
|--------|---|
| Size   | 4.5 in. x 2.3 in. x 0.78 in.<br>(11.5 cm x 5.8 cm x 2 cm) |
| Weight | 0.22 lbs. w/o battery (102 g)                             |

### Ordering information

| Description   | Part number |
|---|-------------|
| Stardust II recorder kit                            | 1011176     |
| Stardust II software kit (including manual)         | 1012120     |
| Stardust II recorder manual                         | 1011237     |
| Stardust serial RS-232 interface cable box          | 612214K     |
| Stardust / REMstar Auto serial link cable           | 1011955     |
| Stardust pouch                                      | 1008312     |
| Flex oximetry sensor                                | 612054      |
| Finger clip oximetry sensor                         | 1007199     |
| Oximeter foam tape                                  | 1006393     |
| Nasal pressure sensor kit (sensor with 5 cannulas)  | 1006039     |
| Nasal cannula, adult (25 each)                      | 1007195     |
| Nasal cannula, small (25 each)                      | 1007196     |
| Nasal thermistor sensor                             | 612226      |
| Respiratory effort sensor kit (sensor with 6 belts) | 612271      |
| Respiratory effort belts (6 each)                   | 616190      |
| Stardust carrying case                              | 610200      |

\*When used with a Respirationics therapy device.

### In-lab sleep systems

For in-lab systems to cover your needs from primary to full-featured PSG capabilities, Respirationics offers the Alice family of sleep systems. The Alice 5 full-featured PSG sleep system records, displays and prints physiological information. It offers standard functions expected in today's high-end evaluation platforms, accommodates facility expansion and supports greater analysis. For an in-lab system that can satisfy professional sleep testing standards without sacrificing usability, there's the Alice LE. The system enables you to meet AASM or equivalent standards while incorporating simplicity and affordability into your facility.

### Sensors and accessories

We offer a complete line of sensors and accessories including Pro-Tech sensors, zRIP effort technology, PTAF Pressure Flow, electrodes, oximeter sensors and probes. Our sensors help you meet AASM or equivalent standards.

### Leading the way in sleep diagnostics

Well known for innovation in advanced sleep therapy systems and technologies, Philips Respirationics also equips sleep technicians with a full range of products and support to handle their patient monitoring needs in or out of the lab. With in-home screening and portable and full-featured PSG diagnostics devices, a dedicated sales force and 24/7 technical specialists, we are committed to helping sleep professionals lead the way in facilitating an appropriate diagnosis and healthy night's sleep for patients.

## Small and mighty

Powerful enough to generate comprehensive reports and small enough to fit the palm of your hand, the Stardust II portable diagnostic system provides you with an easy-to-use portable testing device for patients in need of sleep testing. The Stardust II also enables you to meet level III and IV testing requirements.

The Stardust II is a win-win for patients and clinicians. Patients can sleep comfortably due to the small, sleek and lightweight design of the Stardust II. And, clinicians can obtain the data they need related to screening and diagnosing sleep-related breathing disorders, evaluating treatment and performing patient follow-up.



Lightweight and compact for comfortable sleeping.

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For more information about the Stardust II, visit: [www.stardust.respironics.com](http://www.stardust.respironics.com)

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