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AHI and Leak Protection

Transcend, the world's smallest CPAP now measures AHI to detect pauses in patient breathing, nasal seal leakage and efficacy of pressure setting

Minneapolis-St. Paul, MN (June 22, 2011) – Transcend, the new wearable sleep apnea therapy device designed by Somnetics International Inc. to be the ultimate travel CPAP, now measures apnea-hypopnea index (AHI). While AHI measurement is not new to CPAPs, it is a new standard feature on Transcend thereby giving users added value at no additional cost.

Used to assess the severity of a patient's sleep apnea, AHI is a numerical measure that accounts for the number of pauses in breathing per hour of sleep. Leak detection helps assess the appropriateness of the mask used by the patient. In measuring AHI and leak detection, Transcend also helps assess the efficacy of the patient's pressure setting. Valuable to both patients and doctors, this information can be used to identify issues with the therapy and to determine how changes to the system setup affect overall treatment.

In addition to basic compliance data, AHI and leak detection data is stored on the device and can be downloaded to a computer using a data card or directly via the USB port. Transcend comes with proprietary software that lets the patient email data directly to his or her physician. Transcend overcomes hurdles associated with using a bulky, hassle-ridden traditional sleep machine and fits the travel needs of sleep apnea patients. Features include:

- it is the smallest, most portable CPAP available
- it weighs less than 1 lb, making it the lightest CPAP on the market
- it uses low power consumption
- battery pack and mobile power options allows for CPAP use in remote locations
- a small, hygienic heat moisture exchanger for humidification replaces the water-filled humidification chamber
- it's universal AC power supply automatically converts power current outside the United States
- it automatically compensates therapy pressure to altitudes of up to 8,000 feet
- it is FAA compliant

For a full list of online and retail dealers selling Transcend, please visit the Transcend website.

Transcend is a Somnetics, International Inc. Product

Somnetics, International Inc. is a privately held Minnesota-based medical device company and is an emerging leader in customer-driven design, development, and production of respiratory medical devices. Somnetics' mission is focused on integrating technology, customer input, and employee creativity to provide innovative, high quality products that improve the lives of people with respiratory disorders. It received FDA market clearance for the Transcend CPAP machine in July 2010. Transcend is protected by several issued and pending US and foreign patents.