

User Manual (24.5cmX15.68cm)
1426 (rev1.4) (out)

Warranty: SLP warrants the respiration flow sensor to be free of defects in materials and workmanship for a one night of use. The sole liability of SLP and our distributor(s) is limited to replacement of the product with no charge if any part is proven to be defective in workmanship, performance, or materials during the warranty period. Under no circumstances shall SLP or our distributor(s) be liable for any loss of revenues or damage, direct, consequential, or incidental, including loss of profit, property damage, or personal injury arising from the use of, or the inability to use this product. This warranty is intended only for the original buyer and is in lieu of all other warranties or previous agreements, expressed or implied. This warranty is rendered void if the product is used for other than its intended purpose or is subject to abuse, misuse, tampering, neglect, or unauthorized modifications. Use of this product constitutes acceptance of this warranty in total.



For more information

N1426-EN, rev.1.4

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Disposable Flow Sensors

SleepSense®
The Sensor Solution Company

User Manual

Disposable Respiration Flow Sensors

Technical specifications:

Item #:	1426 / 1427 / 1428
Cable:	Use with cable 1415 / 1415V2 / 1410 (non US)
Sensor:	Multiple printed thermocouples
Recommended filter settings:	High pass: 0.1 Hz / Low pass: 70 Hz
Signal output:	Approximately 0.2 mV for normal respiration
Operating conditions:	5°C (40°F) - 40°C (104°F)
Storage temperature:	-20°C (-4°F) - 60°C (140°F)
Operating and storage humidity:	5% - 95% (Non-condensing)



Disposable Flow Sensors

Thank you for purchasing the SleepSense® flow sensor.

Description

Comprised of many thermocouple elements, the respiration flow sensor produces a signal proportional to respiratory air temperature changes. The signal generated provides a clear, reliable indication of respiration airflow. These sensors are used with the 1415, 1415V2 or with the 1410 (outside the US). The output may be connected to any AC (low level) channel on the recorder.

Indication for Use

SleepSense® sleep-lab sensors provide a qualitative measure of respiratory sounds, effort, flow, body position, or movement, for recording on an approved data acquisition system. They are intended for use on children and adult patients who are screened during sleep disorder studies at a sleep laboratory or the patient's home.

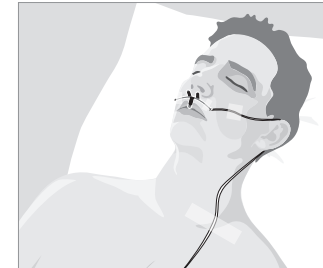


Warnings and Precautions

- **Caution:** US Federal Law restricts this device to sale, distribution and use by or on the order of a physician.
- SleepSense® sensors are for professional use only.
- SleepSense® sensors may be used only in conjunction with an approved recording system.
- Sensors are intended for use only on healthy skin. Discontinue use if sensor shows signs of wear, damage, or exposed metal.

Applying the Sensor

The respiration flow sensor is placed on the patient's upper lip, under the nostrils.



Positioning the Sensor

1. Slide the sensor's connector (square end) into the cable's connector slot. Hold the sensor very close to the connector and apply even, steady pressure to insert. Once connected, the sensor should not be disconnected unnecessarily, as this may break the sensor.
2. Bend the two nasal prongs forward to prevent them from entering the nostrils. Press hard to make the prongs stay in place.
3. Align the tip of the oral prong at the center of the mouth/upper lip.
4. Fix the sensor in place using pieces of skin compatible adhesive tape.
5. Draw the wire over the patient's ear and tape the wire on the cheek and on the neck to reduce strain and enhance reliability.

Check that clear, strong signals are being transmitted before leaving the patient.

These sensors are for single patient use, and should be properly discarded after use.