

Warranty: SLP warrants the respiration effort sensor to be free of defects in materials and workmanship for a period of 12 months from the date purchased. The sole liability of SLP and our distributor(s) is limited to replacement or repair of the product at the option of SLP with no charge for parts or labor 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



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**Effort** Sensors

# SleepSense®

*The Sensor Solution Company*

## User Manual

### PVDF Effort Sensor - Double loop / Safety DIN connectors

#### Technical specifications:

Item #:	1389
Cable:	200 cm long white PVC insulation lead wire
Sensor:	6"x1.5" black elastic band
System connector:	1.5 mm DIN safety DIN
Recommended filter settings:	High pass: 0.1 Hz / Low pass: 70 Hz
Signal output:	Approximately 1 mV for normal respiration
Intended for system:	Any system that accepts DIN safety pins
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)



## Effort Sensors

Thank you for purchasing a SleepSense® sensor.

### Description

Using a piezo-electric plastic film (PVDF), the respiration effort sensor converts chest or abdominal respiration movement to a small analog voltage that provides a clear, reliable indication of respiration waveforms.

The sensor 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.

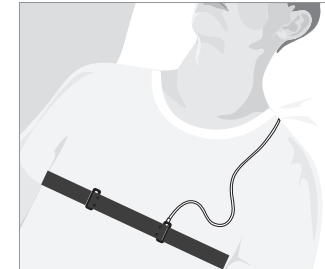


### Warnings and Precautions

- **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.
- Discontinue use if sensor shows signs of wear, damage, or exposed metal.

### Applying the Sensor

The patient should lie on his/her back for optimal positioning of the sensor.



### Positioning the Sensor:

1. Strap the sensor bands around the patient's abdomen or chest over the nightclothes. Make sure the sensor does not touch the skin.
2. Select the area on the chest/abdomen where the band will not slide out of place during the night. The sensor should be slightly off the center line of the body.
3. Gently tighten the band to secure the sensor in place. There will be interference with the signal if the band is too tight or too loose.

**Tape the cable about five inches away from the sensor to reduce strain and enhance reliability.**

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

### Cleaning the Sensor

- Wipe the sensor and cable with a non-corrosive (to plastic) cleanser before use.
- Make sure the complete sensor assembly is thoroughly dry before reusing it.
- Do not soak the sensor in disinfectants.
- Band can be machine washed in a gentle cycle.
- Attach the Velcro® hook tabs to the band before washing.