

ThermiSense® System

Technical Bulletin

ThermiSense Interface Box and Thermistor

Intended Use

The ThermiSense Air Flow Sensing System (ThermiSense) is intended for monitoring thermal airflow and airflow pressure in patients suspected to have hypopneas or apnea. The ThermiSense Interface Box and Thermistor are reusable and must be cleaned between patients. The diagnostic nasal cannulas used with the device are disposable, single-patient use. The ThermiSense System is intended to be used in the sleep lab or home health environments.

Caution

- This device is for diagnostic purposes only, and is not an apnea monitoring or life-sustaining device.
- Do not cut or trim the ThermiSense thermistor.
- Do not immerse the ThermiSense System in liquid.

Product Use

The ThermiSense® thermistor (5700) connects to the ThermiSense® Interface Box, which interfaces with most PSG head boxes.

Test Mode:

To verify continuity of patient circuit wires.

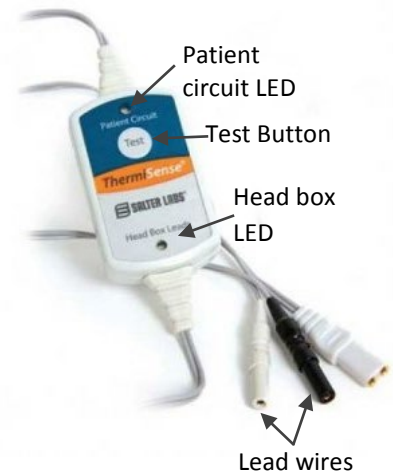
1. Insert the Thermistor sensor into the side connector on the ThermiSense Interface box.
2. Press and hold test button.
3. The Patient Circuit LED will illuminate. If the LED does not illuminate, replace the thermistor.

To verify continuity of head box wires:

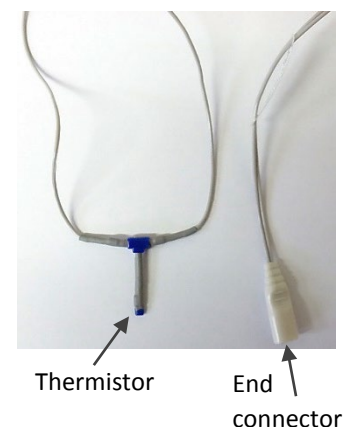
1. Insert the black or white head box connector into the open port on the ThermiSense Interface box.
2. Press and hold test button.
3. The Head Box lead LED will illuminate. If it does not illuminate, replace ThermiSense Box.
4. Repeat with the other lead wire.

Note: DO NOT press test button during PSG study.

ThermiSense Interface Box



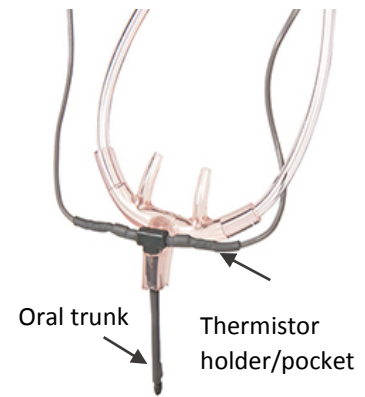
ThermiSense Thermistor



ThermiSense System Technical Bulletin (continued)

Patient Set Up

1. Insert the ThermiSense Thermistor into the Salter Labs diagnostic cannula holder and pocket.
2. Loop the headset tubing of the cannula over the ears similar to a standard oxygen cannula.
3. Position the nasal sensor and the malleable oral trunk in the optimal airflow path without touching the patient's skin. Skin temperature could affect the output signal.
4. Connect the Thermistor end connector to the Interface Box.
5. Connect the Interface Box output leads (white & black connectors) to the polysomnography headbox. Note: The Interface Box does not have an on/off switch.
6. To remove the Thermistor from the diagnostic cannula holder, grasp the molded center part of the "T" and pull straight up.



Cleaning Instructions

The ThermiSense Thermistor and Interface Box are reusable and must be cleaned between patients.

1. Wipe the outside surface of the ThermiSense Thermistor and the Interface Box with any medical grade intermediate-level disinfectant that is not damaging to plastic. Table 1 provides examples of disinfectants that may be used. Follow the disinfectant manufacturer's instructions for use and recommended exposure time.
2. DO NOT immerse or soak the Thermistor or Interface Box in liquid. DO NOT sterilize.
3. Ensure the devices are completely dry before reusing.
4. Salter Labs sleep diagnostic cannulas are disposable and for single-patient use. Do not clean or sterilize or re-use.

Table 1. Intermediate-Level Disinfectants

Disinfectant Solutions	Brand Name
55%-70% Isopropyl alcohol	Super Sani-Cloth Wipes; CavaWipe Cloths
10% household bleach solution	Sani-Cloth®Bleach Disposable Wipes; Diluted household bleach

Note:

The ThermiSense Thermistor is available in pediatric and adult size. The Thermistor end connectors may vary depending on the PSG headbox used. This will not impact placement or cleaning of the Thermistor.

For the most current revision of this technical bulletin and other technical bulletins, visit Salter Labs website. www.Salterlabs.com/resources