

# Airflow CannuTherm



The Ambu Sleepmate CannuTherm is an integrated thermal pressure sensor that detects both apnea and hypopnea. The light and comfortable sensor promotes a relaxed patient, improved data collection and a more accurate PSG study. The CannuTherm consists of a reusable nasal and oral sensor and a specially designed single use cannula.

## Main features and benefits

- A reusable thermal sensor attaches directly to the cannula
- A patent pending cannula design has a special port to hold the thermal sensor
- Eliminates the need to tape separate sensors together
- Helps sleep techs with fitting both sensor channels
- Solution for simultaneously measuring nasal pressure and nasal/oral temperature

## Technical Specifications

### SYSTEM DESCRIPTION

The intended purpose of this sensor is to detect pressure and thermal airflow for recording onto a polygraph, EEG or similar type of physiological recorder. The sensor plugs directly into the electrode jack box, while the cannula plugs into any airflow pressure sensor.

The cannula is fitted to the patient by placing the soft nasal prongs in the nares and looping the tubing over the patient's ears. The "Bolo-Style" adjustable slide is cinched up under the patient's chin to secure comfortably in place. This cannula and sensor system is designed for ease of fit and maximum patient comfort in mind.

The thermal sensor is designed to easily plug into the custom cannula to position the oral probe in front of the patient mouth, while using the cannula chamber to detect nasal breathing. The Oral probe of the thermal sensor should be positioned such that the probes are exposed to the maximum available airflow. The oral probe is flexible to allow the probe to be bent gently to insure that it is in the path of airflow. The nasal probe is simply inserted in the port on the custom cannula and requires no adjusting. The wires of the thermal sensor are simply clipped into the wire management clips provided on the cannula to make a clean and easy method of controlling the wires coming off the patient's face.

### WARRANTY

Sleepmate Technologies warrants the sensor to be free of defects in materials and workmanship for a period of nine (9) months from the date purchased.

### GENERAL SPECIFICATIONS (14800 SERIES)

#### Thermal Sensor

Lead wire:	Two conductors, approximately 200 cm
Terminators:	1.5 mm Safety pins (custom terminators available)
Sensor:	Flexible oral probe. Nasal probe inserts into custom cannula
Time constant:	One second or longer. The use of a shorter time constant may attenuate waveforms.
Filter Settings:	Low Frequency = 0.1 Hz; High Frequency = 15 Hz (1.5 Hz Thermistor)
Sensitivity:	Response is dependent on a variety of variable such as sensor application, patient effort, ambient room temperature, CPAP pressure, etc.

#### Cannula

Cannula:	Soft, clear and light for a comfortable patient fit
Patient Attachment:	Over-the-ear, "Bolo-Style" adjustable slide
Length:	7ft (213.4cm) kink resistant tubing
Terminator:	Male luer connector

### ORDERING INFORMATION

Ambu Reference Number	Product Description	Sleepmate former Number
814310-100	CannuTherm Kit (CannuTherm & 5 Nasal Cannulas)	1419
814840-100	CannuTherm - Reusable Thermal Sensor	1418
814960-100	CannuTherm Thermistor	1458
814360-100	AASM CannuTherm Flow Kit (AC AirFlow Pressure, Reusable Thermal Sensor, 10 CannuTherm Cannulas)	1431
814370-100	AASM CannuTherm Flow Kit (DC AirFlow Pressure, Reusable Thermal Sensor, 10 CannuTherm Cannulas)	1432
<b>Disposable</b>		
814360-000	CannuTherm Cannula with filter	14877
814360-000/25	CannuTherm Cannulas with filters (case of 25)	14878

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