

AC Pressure Airflow Sensor System User Guide

SYSTEM DESCRIPTION: Thank you for purchasing the Sleepmate® AC pressure airflow sensor by Sleepmate Technologies. This sensor is to detect respiratory airflow and/or snoring for recording onto a polygraph, EEG or similar type of physiological recorder. The sensor plugs directly into the electrode jack box; no external power source is required. A nasal cannula is attached to the patient. Please visit www.Sleepmate.com or call your customer service rep if you have any questions or problems with this product.

CAUTION STATEMENT: Federal Law restricts this device to sale by or on the order of a physician. This product is for diagnostic purposes only and is not intended to be used as an apnea monitor or in a life supporting or sustaining capacity.

CLEANING: This sensor is reusable and can be cleaned by rubbing with any cleansing agent that is *not* corrosive to plastic. The cannula used is disposable and should be changed between patients. For sterilization implement a standard procedure for gas sterilization. Do not autoclave this product. Use the molded ends of the jackpins when removing the connector from the junction box.

PATIENT SETUP: The detection of airflow is done by attaching either an ETCO₂ or standard O₂ cannula to the sensor and to the patient. The airflow sensed through the nose will then provide both a nasal airflow signal and snore signal. There are two sets of cables for connection to the recorder. One is for the airflow channel and one is for the snore channel. The two black connectors are connected internally in the sensor. The sensor can be connected to a nasal CPAP mask using standard respiratory tubing instead of using a cannula. When connecting an O₂ cannula to the sensor always use the Luer® connector to connect to the sensor box. The ETCO₂ cannula should be connected directly to the sensor box. The recorder's High Pass filter should be set at the lowest possible setting in order to maximize the time constant.

TECHNICAL SPECIFICATIONS:

Cable:	Separate output cables for flow and snore channels
Connector:	1.5mm safety DIN connectors
Battery:	None
Sensor:	Piezo
Cannula Connector:	Luer®
Filter Settings:	Flow: High Pass: 0.01 Hz; Low Pass: 30 Hz Snore: High Pass: 30 Hz; Low Pass: NA

WARRANTY: Sleepmate Technologies warrants the sensor to be free of defects in materials and workmanship. The sole liability of Sleepmate Technologies and our Distributor(s) is limited to replacement or repair of the product at the option of Sleepmate Technologies 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 Sleepmate Technologies 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.



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