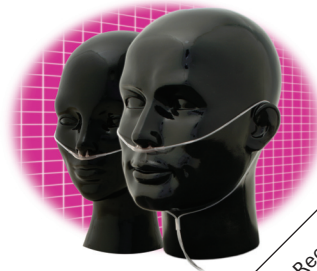


Latex Free

Comparison at a Glance



- Records airflow changes
- Secure positioning for sampling with or without using tape
- Requires microphone for sampling with or
- More qualitative to record snore
- Provides detailed waveforms to allow diagnosis for UARS, or Hypopneas
- Does not require cleaning or testing
- Inexpensive and cost effective
- No worry of patient to patient contamination
- Can deliver oral, nasal, airflow pressure, snore and EtCO₂ signals for adults & pediatrics

Salter Style® Diagnostic Cannulas	•	•	•	•	•	•	•	•	•
Thermistor	•		•						
Pneumotachography	•	•	•	•	•				

Ordering Information

	Units per Case	with Male/Female Luer Lok® Connector	with Hydrophobic Filter*
Adult Nasal only Airflow Pressure/Snore monitoring cannula with one (1) 7' (2.13m) tube and optional hydrophobic/anti-microbial filter	25	#5012	#5011
Adult Nasal only Airflow Pressure/Snore monitoring cannula with one (1) 1' (0.30m) tube without filter	25	#5012-1	
Adult Oral/Nasal Sleep Diagnostic cannula with 7' (2.13m) Airflow Pressure/Snore monitoring tube with optional hydrophobic antimicrobial filter	25	#5006	#5005
Adult Oral/Nasal Sleep Diagnostic cannula with 1' (0.30m) Airflow Pressure/Snore monitoring tube and male Luer Lok® connector	25	#5006-1	
Adult Oral/Nasal Sleep Diagnostic cannula with 2' (0.61m) Airflow Pressure/Snore monitoring tube with optional hydrophobic/antimicrobial filter	25	#5006-2	#5005-2
Pediatric Nasal only Airflow Pressure/Snore monitoring cannula with one (1) 7' (2.13m) tube with optional hydrophobic/anti-microbial filter	25	#5022	#5021
Pediatric Oral/Nasal Airflow Pressure/Snore monitoring cannula with one (1) 7' (2.13m) tube with optional hydrophobic/anti-microbial filter	25	#5038	#5037
Small Pediatric Oral/Nasal Airflow Pressure/Snore monitoring cannula with one (1) 7' (2.13m) tube with optional hydrophobic/anti-microbial filter	25	#5036	#5035
Infant Nasal only Airflow Pressure/Snore monitoring Sleep Diagnostic cannula with one (1) 7' (2.13m) tube with optional hydrophobic/antimicrobial filter	25	#5020	#5019

* The hydrophobic, anti-microbial filter has a diameter of 13 mm, with a .2 µ filtering capability to protect the patient, clinician, and instrumentation

FOOTNOTE REFERENCE LIST:

1. L. Hernandez, M.D., J. Montserrat, M.D. et al.; Performance of Nasal Prongs in Sleep Studies: Chest. 2001;119:442-450
 2. S.L. Cunningham, S.A. Shea, D.P. White; Comparison of nasal pressure and thermistor recordings in detection of sleep disordered breathing events. SLEEP vol. 121, Sept 2002
 3. J. Montserrat, M.D., R. Farre, PH.D.; Breathing Flow Disturbances during sleep; AJRCCM 2002;166:259-260
 4. R. Budhiraja, J.L. Goodwin et al.; Comparison of Nasal Pressure Transducer and Thermistors—during Polysomnography: SLEEP vol. 128, abstract Supplement, 2005
 5. A. Magnan, F. Philip-joet, M. Rey et al; End Tidal CO2 analysis in sleep apnea syndrome. Chest, 1993;103,129-131
 6. T.J. Malloy, RPSGT; Role of Capnography in the Sleep Lab; Advance for Managers of Respiratory Care vol. 13 p 14 May, 2002
- ** AASM Manual for Scoring Sleep, 2007

ISO 9001 & ISO 13485
Authorized Representative in the E.U.:
 MT Promedt Consulting GmbH
 Altenhofstrasse 80
 D-66386 St. Ingbert
 Germany



Printed in U.S.A Copyright 2009 Salter Labs Rev. March 2009 SLML-43
 U.S. and Worldwide patents pending
 Luer Lok® is a registered trademark of Becton Dickinson

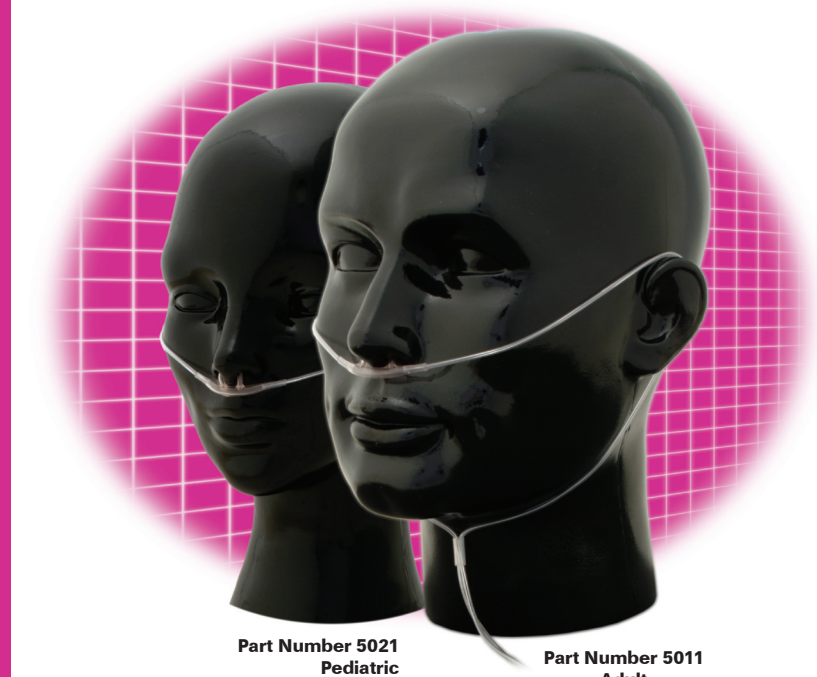


100 West Sycamore • Arvin, CA 93203
 Phone: 661.854.3166 • 1-800.421.0024 • 1.800.235.4203
 Fax: 661.854.3850 • Toll Free Fax: 1.800.628.4690
 Email: salterlabs@us.salterlabs.com • www.salterlabs.com

NEW!

Oral/Nasal or Nasal Only Airflow Pressure/Snore Monitoring Cannula

Salter-Style® ultra lightweight cannulas that will monitor Airflow Pressure and Snore. An over the ear style cannula with adjustable slide bolo that allows easy placement for comfort, a secure fit and uninterrupted monitoring. Standard connecting tubing lengths are 7'. Available in Adult, Pediatric and Infant sizes with an optional Hydrophobic, Anti-Microbial Filter.



- Nasal Only or Oral/Nasal
- Airflow Pressure/Snore Monitoring
- Optional Hydrophobic, Anti-Microbial Filter
- All Sleep Diagnostic Cannulas are anatomically designed to improve comfort and positioning which help to assure the pressure waveform signal.



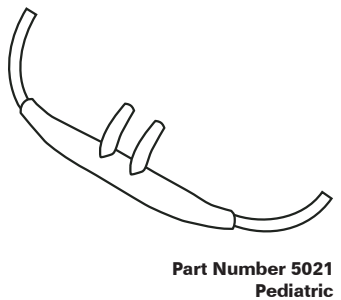
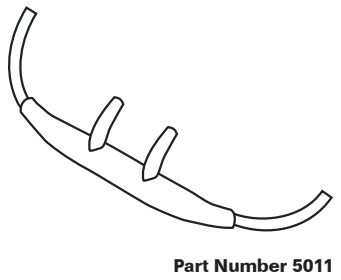
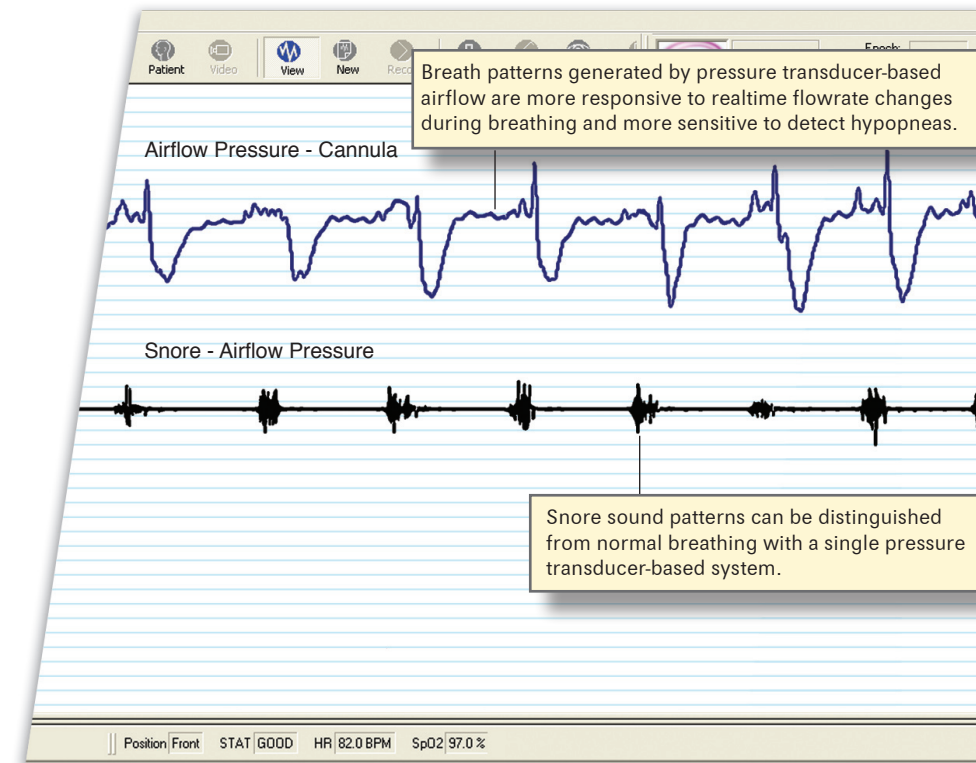
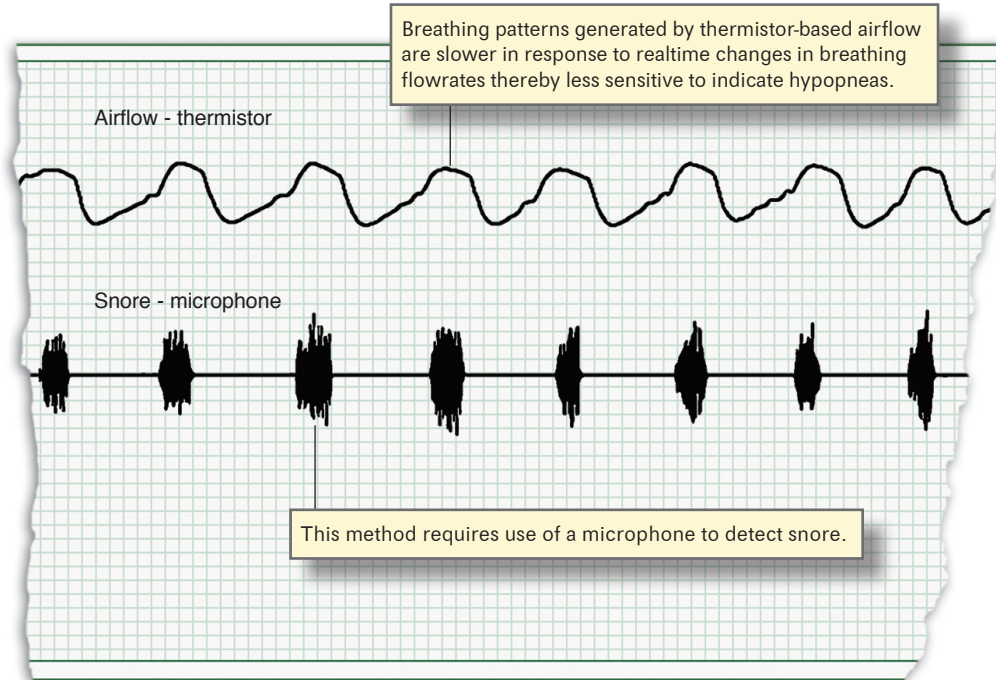
U.S. and Worldwide patents pending



Salter-Style® cannulas the worldwide clinical standard for comfort and efficacy.

AASM guidelines recommend both nasal pressure sensing and oral/nasal thermal airflow monitoring**...

Salter-Style[®] sleep diagnostic cannulas deliver the airflow pressure signal to the pressure transducer device. It will split the signal into airflow pressure and snore waveforms for your lab based or portable PSG systems. There is a cannula configured for virtually any breathing pattern, mouth and nose, nose only, mouth only or for the patient that switches back and forth.



Salter-Style[®] sleep diagnostic cannulas are available in a wide array of models, configurations and sizes. They all are designed to meet the variety of unique requirements common to a sleep study. Our cannulas are designed to comfortably fit from pediatric to adult patients. Each style cannula is designed to provide the best possible patient signal for a pressure transducer device to process. This device in turn splits the signal into Airflow Pressure and Snore waveforms and passes that on to your lab based or portable PSG systems. There is a cannula configured for virtually any breathing pattern, mouth and nose, nose only, mouth only or for the patient that switches back and forth. To accomplish all of this satisfactorily the cannula must meet several very important requirements.

Easy to put on:

The process of putting on a cannula, should not intimidate the patient. It should be an easy and simple process to reduce or prevent anxiety. The clinician or patient should be able to easily make adjustments for a comfortable secure fit, to obtain the optimum Airflow Pressure/ Snore waveform signal.

Comfortable to wear:

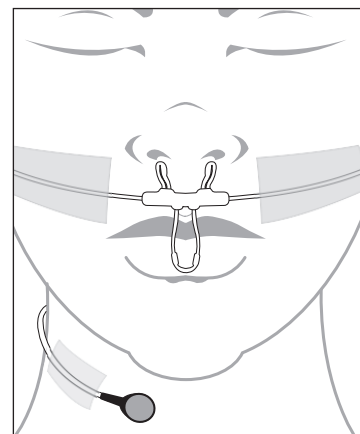
The patient very quickly becomes unaware of it's presence, because it fits naturally and should not hinder the sleep process.

Stays in place:

The cannula must remain in position and register the breath by breath signal data for the pressure transducer throughout the entire study. It must be able to accommodate patient movements and still deliver meaningful information for interpretation. No lost data or need to repeat a study!

Cost effective:

All Salter Labs[®] cannulas are Latex Free, single patient use cannulas. More and more studies are concluding that airflow pressure transducers¹ provide equal or superior signal data as compared to airflow temperature sensors i.e. thermistors. In some cases Nasal Cannulas² will provide data that can not be sensed and recorded by thermocouple devices³. To be compliant with the new AASM guidelines both thermal and pressure airflow monitoring is recommended**. Pressure transducers rapidly respond to all changes in airflow as they occur⁴ while a thermistor has a slower response to temperature deviations. A new generation of cost effective pressure transducers offer superb reliability, improved sensitivity, and more accurate pressure changes; previously available only with more costly research models.



Airflow Pressure/Snore Requires: Thermistor/Thermocouple Microphone

Simple to use:

Place the over the ear style cannula on the patient and position it comfortably for them. Adjust the slide bolo for a secure and comfortable fit. Connect the signal transmitting 7 foot tube to the pressure transducer signal processing device. This device



Airflow Pressure/Snore Requires: Cannula

splits the signal and provides airflow pressure and snore output to the recorder being used to produce clear, concise waveforms for evaluation.

Cross contamination:

The cannula is a disposable, one time, single patient use device. All Salter Labs[®] cannulas are available with optional single use .2 micron hydrophobic, anti-microbial filter.

Adult Pediatric and Infant sizes:

Experience has shown that many elderly or small featured adult patients are more comfortable with a pediatric size. It is important to use a size that is most comfortable for the patient. Some models are available with the ability to transmit simultaneously Airflow Pressure /Snore to the pressure transducer as well as End Tidal CO₂ (ETCO₂) samples to a capnograph. It has been reported ETCO₂ data can be very relevant with pediatric patients^{5 6}.

