

During airway research, accurate measurements from a small pressure transducer can provide invaluable clinical insight into the physiology behind disordered breathing, leading to improved patient treatment and care.

Why not enhance your research or clinical data with exact changes in pressure during challenged breathing episodes?

Better insight into respiratory physiology.

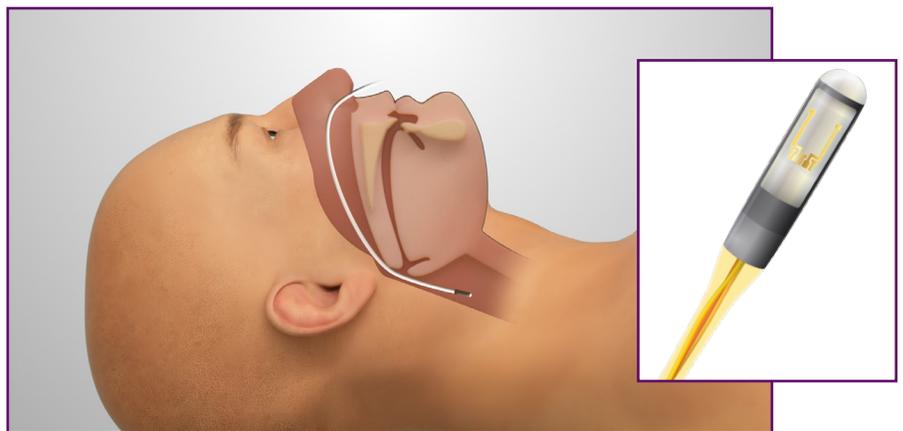
Exact Measurements for Airway Pressure

Mikro-Cath™ Pressure Catheters incorporate our proven pressure sensor technology to record precise measurements within the airway to advance discovery in respiratory physiology. The high-fidelity pressure catheter provides data in real time. Signals are unaffected by patient position or movement during respiratory cycles or breathing events.

The Mikro-Cath is easy to use, flexible and nearly half the size of esophageal balloon catheters, allowing for comfortable patient insertion.

Accurate Measurements within the Airway

- Upper airway pressure
- Esophageal pressure
- Intrathoracic pressure
- Supraglottic pressure
- Pharyngeal pressure
- Pleural pressure (mid-esophagus)





Clinical Research Applications

- Sleep Apnea
- Non-apneic events (Hypopnea)
- Abnormal respiratory events
- Acute respiratory distress

Recommended Setup

The catheter connects via cable to the Millar PCU-2000 Patient Control Unit to display pressure waveforms on a monitor while streaming data and measurements to the DAQ or computer.

Mikro-Cath™ Product Specifications

For exact understanding of pressure changes within the airway, the Mikro-Cath provides a true pressure signal that is independent from patient position, free from motion artifacts and with no time delays. It produces the data needed to challenge the status quo in patient care.

Description	Mikro-Cath
Model Number	825-0101
Working Length	120 cm
Tip F Size	3.5F (1.2 mm)
Body F Size	2.3F (0.8 mm)
Tip Configuration	Straight
Material	Nylon
Use	<24 hours
Pressure Sensor(s)	1
Sensor Sensitivity	3.68 $\mu\text{V/V/cmH}_2\text{O}$, nominal
Accuracy	+/- 2 cmH_2O from -68 cmH_2O to +69 cmH_2O

Clinical Innovation

Millar is committed to producing the most innovative MEMS-enabled (Micro-Electrical Mechanical Systems), catheters and products for accurate pressure measurement – a vision made possible by continued collaboration with our customers.

Indications for Use Statement

The Mikro-Cath Pressure Catheter is a single-use catheter intended to be used for medical research and diagnostic purposes. The catheter is indicated to measure cardiovascular, intra-compartmental, and airway pressures in the human body. The catheter is used as a minimally invasive device under short-term limited body contact (<24 hours). The Mikro-Cath may be introduced into the respiratory system through an existing orifice or through an incision.

Additional contraindications, precautions and warnings are referenced in the Instructions for Use available under the Knowledge Center acute catheter manuals.

The airway pressure application is approved for use in the United States and Europe.

For more dynamic insights in the Sleep Lab or Respiratory Physiology Lab, please contact us: insights@millar.com | T: +1 832-667-7000

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