RESPIRONICS®

HUNTING FOR FLEXIBLE CO_2 TECHNOLOGY?

INTRODUCING RESPIRONICS' PLUG & PLAY SOLUTION

The hunt is over. Respironics' flexible CO_2 solution features a unique "plug & play" design that enables switching easily between Mainstream and Sidestream monitoring. Optimize performance on intubated patients with the CAPNOSTAT® 5 Mainstream CO_2 sensor or select the LoFlo® Sidestream CO_2 Sensor for non-intubated applications or short term monitoring of intubated patients. Plug & Play provides the flexibility to easily and cost effectively mix and match sensor types to fulfill all your monitoring requirements.

SIMPLY CHOOSE THE APPROPRIATE SENSOR, THEN PLUG & PLAY.

OPTIMIZE ETCO$_2$ PERFORMANCE

MAINSTREAM

CAPNOSTAT® 5 FOR INTUBATED PATIENTS

- Small, lightweight mainstream CO_2 sensor provides accurate and reliable monitoring for all intubated patients from neonates to adults.
- Built for maximum durability, the CAPNOSTAT 5 is tough enough to withstand everyday life in the ICU or EMS environments.
- Our easy-to-use on-airway adapters are designed to optimize system performance by reducing the effects of moisture resulting in hassle-free uninterrupted monitoring.

SIDESTREAM

LOFLO® FOR NON-INTUBATED PATIENTS

- LoFlo is the newest 50 ml sampling rate CO_2 sensor that provides consistent and reliable CO_2 monitoring of adult, pediatric and neonatal patients.
- Designed to be shared, LoFlo's small, lightweight package allows it to be easily moved between monitoring systems or used during transport, and it can be mounted to a bedrail, a pole, or left as part of the system cabling.
- LoFlo's broad range of sampling accessories incorporate an advanced filtering system and external sample cell that provides up to 120 hours of protection against occlusions caused by moisture or secretions.

OPTIMUM CLINICAL USES

Mainstream Technology

- Long-term ventilator management
- Verifying proper ET tube placement
- Confirming ET tube stability during transport

Sidestream Technology

- Monitoring the effects of pain-controlled analgesia
- Monitoring respiratory efforts during procedural sedation
- Safety monitor post-extubation
- Screening tool in the ED for respiratory complications such as asthma

THE FLEXIBILITY OF PLUG & PLAY

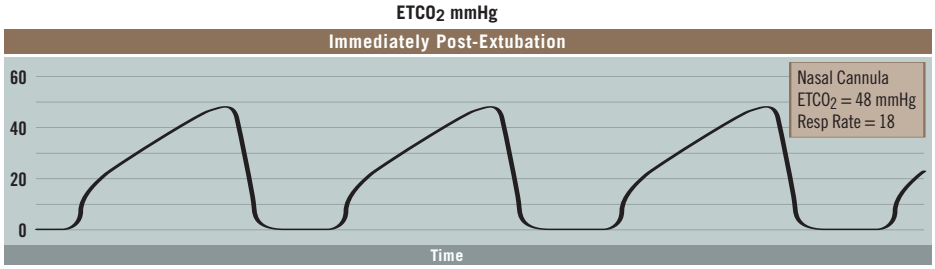
The true benefits of Respironics' Plug & Play CO_2 solution are proven every day at the bedside. Not every patient in respiratory distress requires intubation but each would benefit from $ETCO_2$ monitoring. Patients that are intubated and mechanically ventilated should routinely use Mainstream $ETCO_2$ monitoring to aid in the management of their ventilator.

Two distinctly different ventilation treatment plans require monitoring technology designed to meet the unique challenges of each. Sidestream $ETCO_2$ is clearly the correct choice for monitoring non-intubated patients because of the quick and easy method of connecting the patient. Mainstream $ETCO_2$ is the best choice for intubated, mechanically ventilated patients, due to its ability to operate for long periods attached to the harsh environment of the airway of the ventilated patient.

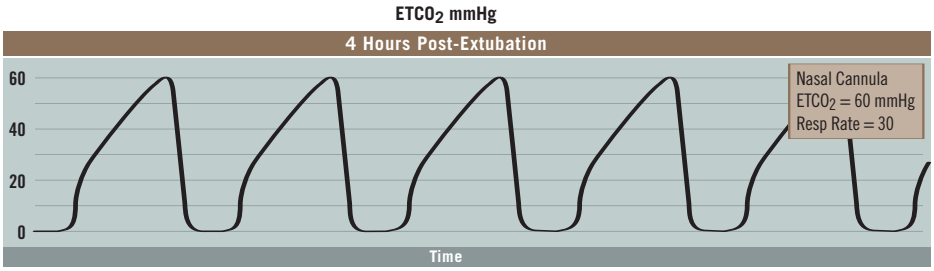
Now Plug & Play Mainstream and Sidestream $ETCO_2$ monitoring allows you to match the appropriate technology to the specific patient challenge.

RESPIRONICS' PLUG & PLAY SOLUTION CAN HELP MANAGE PATIENTS

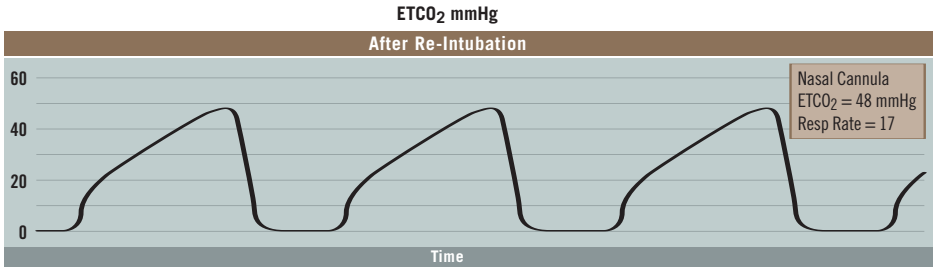
A COPD patient was successfully weaned from the ventilator and was extubated. To ensure that the patient maintained adequate CO_2 elimination, a LoFlo Sidestream CO_2 Sensor was connected and $ETCO_2$ was continuously monitored using a nasal CO_2 sampling cannula.



Four hours post-extubation, $ETCO_2$ and respiratory rate began to rise, signaling that the patient was not able to maintain adequate spontaneous ventilation even though pulse oximetry readings remained stable.



The patient was re-intubated and mechanically ventilated. A CAPNOSTAT 5 Mainstream CO_2 sensor was used to monitor the $ETCO_2$. Within minutes, the $ETCO_2$ and capnogram had returned to pre-extubation levels.



Respironics' Plug & Play $ETCO_2$ solution aided the clinical team throughout this weaning, extubation and re-intubation episode by allowing them to match the right $ETCO_2$ technology to the patient's need. Because the patient was monitored with the LoFlo Sidestream CO_2 sensor post-extubation, the impending failure was detected before reaching a critical state.