In Sync
Products, software, service and support. Perfectly aligned to deliver complete OEM solutions.
Like Clockwork.
When you work with Respironics, it all comes together.

Physicians, hospitals, EMS specialists and other healthcare providers rely on you to provide the most advanced technology in the monitoring systems you engineer. They demand equipment that is proven, cost-effective, flexible, and well supported. So you look for solutions that can give you a competitive edge... specialized technology that meshes perfectly with your monitoring platforms, making them more attractive to customers and more successful in the marketplace.

At Respironics, our commitment to our OEM customers is stronger than ever. As the recognized global leader in capnography, Respironics (which now owns the former Novametrix) has been providing innovative and cost-effective products to companies like yours for over 18 years. Today, extensive research and development keeps us on the cutting edge of technology and enables us to continue to provide our customers with the latest technological advancements.

More importantly, we go beyond just providing superior products. We work with our customers to tailor complete solutions that include: software licensing, private-label monitors and accessories, a complete line of consumables, on-site education programs, global service support, and clinical and technical support, available 7 days a week, 24 hours a day, 365 days a year.

Respironics also provides engineering, clinical and marketing support to assist you in developing, testing and releasing your products. It’s the industry’s most comprehensive array of hardware, software and service solutions and it’s all available to help get you to market faster, more economically and successfully.

Together, we can create flexible, marketable patient monitoring packages that can help build your business.

Proven Reliable Technology

Respironics offers several different technologies, which when combined, give you monitoring packages that address a wide range of clinical requirements. Here’s your opportunity to leapfrog your competition and offer virtually any combination of respiratory monitoring capabilities your customers require.

We offer OEM modules for both mainstream and low-sampling-rate sidestream capnography, oxygen monitoring and respiratory mechanics measurements. Applied separately or in combination, these modules can provide ETCO₂ monitoring during procedural sedation, volumetric capnography for ventilator management and weaning, metabolic measurements for nutritional assessment and non-invasive cardiac output. Advanced software packages are available to analyze the monitoring data and to provide critical information on scores of other respiration-related parameters.
Respiratory Monitoring...Any way you want it

ETCO₂, oxygen, respiratory mechanics. Mainstream or sidestream. Simple waveform outputs or comprehensive clinical information.

Respironics gives you more options than any other supplier, so you can deliver just-right products to your customers.

CAPNOSTAT® 5 Mainstream CO₂ Sensor

Cutting-Edge Capnography

Capnography offers clinicians a quick and reliable way to monitor the respiratory condition of their patients. The basic capnogram, which presents the concentration of end-tidal CO₂ expired over time as the patient breathes, can help identify a host of events ranging from a kinked ventilator tube to esophageal intubation. With mainstream sampling, measurements are taken directly “at the patient’s airway”, so response is faster and there is less chance of erroneous, artifact data.

Through the former company, Novametrix, the Respironics mainstream CO₂ sensors are well known and respected. In fact, the majority of mainstream capnography units sold today are made by Respironics. And now, Respironics brings you the new CAPNOSTAT 5 Mainstream CO₂ Sensor. The next generation of CAPNOSTAT technology, featuring a new miniature PC board that is housed right inside the sensor head, eliminating the need for a PC board inside your monitor. The CAPNOSTAT 5 is small and lightweight, and features the latest digital signal processor and RS232 outputs that make data transfer easy.

CAPNOSTAT 5. It’s a perfect fit for your business.

LoFlo™ Sidestream CO₂ Sensor*

The ‘LoFlo’ Alternative

When you need a low-sampling-rate sidestream system – for monitoring infants, patients undergoing procedural sedation and non-intubated patients – the new LoFlo sensor is the answer. LoFlo uses CAPNOSTAT 5 sensor technology, but has an integral sidestream sampling system that features a low sampling rate of 50 ml per minute. Best of all, the internal CO₂ measurement bench can never be contaminated by water or patient secretions, because the sampling cell and filter are attached to the disposable sampling kits, providing continuous protection.

The LoFlo sensor is part of the CAPNOSTAT 5 family of products, making it easy for clinicians to switch from sidestream to mainstream sampling. If patient conditions require a change, users simply unplug one sensor, replace it with the other, and the system adjusts automatically. LoFlo is also compatible with Respironics’ family of nasal cannula kits and low-volume airway adapters, designed to address the various patient applications for which your customers are asking.

Mainstream or sidestream. Respironics offers you flexibility that can make your monitor easier to use and easier to market.

*Pending FDA clearance
Quo™ Mainstream O₂/CO₂ Sensor* 

Add O₂ Monitoring

Quo Mainstream O₂/CO₂ Sensor provides an all-in-one package that puts mainstream oxygen measurement into the same compact device as the CO₂ sensor. With each breath, this high-speed monitoring device accurately tracks both ETCO₂ and O₂ concentrations, as well as respiratory rates, in critically ill, intubated patients.

Like the other products in the CAPNOSTAT family, Respironics’ new Quo Mainstream O₂/CO₂ Sensor uses state-of-the-art technology and is one of the first O₂ measurement units to use reliable mainstream technology. And, all the necessary hardware, including the PC board, fits right into the head of the sensor. Quo is compact, durable, accurate, and easily plugs into your bedside patient monitor. With the Quo Mainstream O₂/CO₂ Sensor, it costs only a little more to provide your customers with both CO₂ and O₂ monitoring in a single unit.

*Pending FDA clearance

FloTrak™ Respiratory Mechanics

Advanced Respiratory Mechanics

By itself, or in combination with other Respironics patient monitoring modules, the FloTrak Respiratory Mechanics Module provides a wealth of information about mechanically ventilated patients.

The FloTrak module measures up to 20 respiratory parameters, but that’s just the beginning. Combine FloTrak with CAPNOSTAT 5 to achieve volumetric capnography and other ventilation management parameters, as well as noninvasive measurement of cardiac output, cardiac index, stroke volume and systemic vascular resistance. These parameters provide hemodynamic and ventilation management tools, guiding fluid replacement and weaning protocols.

Combine FloTrak with Quo Mainstream O₂/CO₂ Sensor, and you deliver comprehensive metabolic information to guide users in understanding gas exchange relationships, energy requirements and response to nutrition of the critically ill patient.

FloTrak is a complete respiratory mechanics package, including pneumotachometer, embedded microprocessor, connectors and cables. It’s low-cost, accurate, ruggedly reliable, and ready for installation in your critical-care monitor.
Software modules help you offer more choice.

The Respironics family of respiratory monitoring products works with three state-of-the-art software-licensing packages. You can now offer your customers a choice: keep costs to a minimum with just the basic data outputs, or invest in an advanced parameter set and take maximum advantage of the monitoring system’s capabilities.

**Respiratory Mechanics Software Module**

The Respiratory Mechanics Software Module builds on the basic respiratory mechanics measurements of the Respironics FloTrak Module – flow, volume and pressure. The software provides additional ventilator management parameters including: inspiratory and expiratory time; I:E ratio; static and dynamic lung compliance; airway resistance; mean airway pressure; positive end expiratory pressure; peak inspiratory and expiratory flows; peak inspiratory pressure; plateau pressures; and PV/FV loops.

**Volumetric Capnography Software Module**

The Volumetric Capnography Software Module provides information to guide the clinician through setup, management and weaning of the mechanically ventilated patient. It integrates CO₂ and airway flow to calculate previously difficult to measure parameters such as CO₂ elimination. Additional parameters that the system provides are anatomical deadspace, alveolar deadspace, alveolar ventilation, and Vd/Vt measurements.

**NICO₂⁺ Cardiopulmonary Software Module**

The NICO₂ Cardiopulmonary Software Module profiles a patient’s respiratory status by combining measurements of airway flow, pressure, volume, mainstream capnography, and oximetry to yield VCO₂, VtAlv, Vd/Vt, and PV/FV loops. The NICO₂ software module uses CO₂ Partial Rebreathing-Fick for noninvasive measurement of cardiac output, cardiac index, stroke volume, and systemic vascular resistance. The NICO₂ parameters provide hemodynamic and ventilation management tools, guiding fluid replacement and weaning protocols. The versatility of the NICO₂ module extends to the operating room, emergency room and the intensive care unit.

**Market Ready**

Turn to Respironics for a complete portfolio of private-label products that can help you rapidly introduce new technology to your customers and quickly break into new markets. These products include: CAPNOGARD⁺, CO₂SMO⁺, Tidal Wave⁺, Tidal Wave⁺ SP, NICO⁺, CO₂SMO Plus⁺, MARS⁺, 512 and 513 Handheld Pulse Oximeters and a complete line of supplies and accessories.
When you need service, **Respironics is there ... anytime and anywhere**. We know that our relationship with our OEM customers is based on **service, reliability and responsiveness**.

That’s why a dedicated team of experts is available for equipment service, technical training and technical support, **around-the-clock and around the world**.

**Clinical & Educational Support**

When it comes to helping you and your customers make the most of today’s respiratory monitoring technology, **nobody supports you better than Respironics**.

- Our clinical support staff is always “on call” to answer questions.
- A field-support team assists in pre- and post-sales situations, OEM sales-force training and clinical-team training.
- Respironics experts lecture at trade shows and meetings.
- A complete library of white papers, technical reports and other support documents are available.

**Technical Support**

Recognizing that our success depends on the continuing success of our OEM customers, **Respironics is committed** to assisting in the implementation of our respiratory monitoring technology. **Working together**, we can keep product development costs down and expedite the integration of Respironics components into your patient monitoring system.

With fewer delays and engineering changes, you’ll **get to market more quickly** and reach your revenue objectives more readily.

**Service and support...still another way Respironics stays in sync with the needs of customers like you.**