

CapnoTrak Sidestream Module

Easy integration to
**never slow
you down**

Part of the Respironics OEM Capnography portfolio
Trusted when every second counts

RESPIRONICS

OEM Capnography business

Easy to integrate into host platform

The more information a clinician has about their patient's condition, the more effectively they can work to provide optimal care – and there's not a moment to lose. **CapnoTrak delivers critical respiratory measurements in real time** for intubated and non-intubated patients, so clinicians can take fast action on patient health.

Product features:

- ✓ Internal sidestream CO₂ module
- ✓ Compact and flexible design for OEM integration
- ✓ Can be used in intubated and non-intubated patients
- ✓ Built-in barometric pressure sensor
- ✓ Integrated temperature sensor
- ✓ Replaceable pump
- ✓ No calibration required
- ✓ Reusable filter assembly
- ✓ Exclusive accessories and supplies
- ✓ 2-year warranty

CapnoTrak Sidestream Module



Compact, powerful, and easy to integrate

Get advanced CO₂ technology with a compact, easy-to-integrate design. **CapnoTrak** is lightweight and powerful, so it can be integrated into a host device without adding additional bulk or weight.

Small size, powerful performance

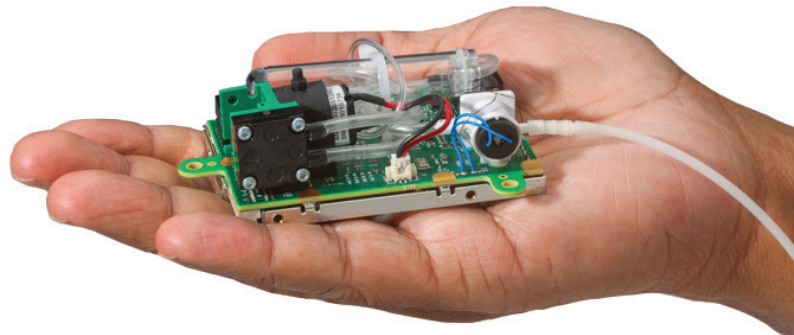
CapnoTrak is small and compact, but powerful. **CapnoTrak** delivers critical patient health measurements in real time, including:

- ✓ etCO₂
- ✓ Respiratory rate
- ✓ Capnogram

Trusted partners in innovation

The **CapnoTrak** module is one of the many advanced technologies within our portfolio. Explore the entire suite of solutions at www.respironics-capno.com.

The Respironics OEM Capnography business is a dedicated partner, helping medical device manufacturers create innovative solutions that make their products stand out. With comprehensive technical, clinical, and marketing support, we're here to meet the evolving needs of your growing business.



CapnoTrak Cannula Size Chart: Designed to Fit All Patient Sizes

SIZE	PATIENT TYPE
Large	Adult
Medium	Adult or Pediatric
Small	Infant or Neonate

CapnoTrak Sidestream Accessories

DESCRIPTION	PART NUMBER	QUANTITY/PKG
CO ₂ Nasal Cannula, Large	1103408	25
CO ₂ Nasal Cannula, Medium	1103409	25
CO ₂ Nasal Cannula, Small	1103410	25
CO ₂ /O ₂ Nasal Cannula, Large	1103411	25
CO ₂ /O ₂ Nasal Cannula, Medium	1103412	25
CO ₂ /O ₂ Nasal Cannula, Small	1103413	25
CO ₂ Oral/Nasal Cannula, Large	1105098	25
CO ₂ Oral/Nasal Cannula, Medium	1105099	25
CO ₂ /O ₂ Oral Nasal Cannula, Large	1105100	25
CO ₂ /O ₂ Oral Nasal Cannula, Medium	1105135	25
CO ₂ Sampling Extension Line	1105136	25
O ₂ Delivery Extension Line	1105137	25
Airway Adapter Set, >4.0 mm	1103414	25
Airway Adapter Set, ≤4.0 mm	1103415	25
Water Filter Assembly	1103416	10
Dehumidification Tubing	1103417	10

Help to extend the life of the module with Sidestream accessories



Reusable Filter Assembly

- ✓ Can reduce consumable costs when used in conjunction with dehumidification tubing assembly



Dehumidification Tubing

- ✓ Reduces water vapor from the patient's sample tubing
- ✓ Extends the life of the filter assembly

CapnoTrak Sidestream Module



CapnoTrak Sidestream CO₂ Module - Specifications

TRANSDUCER TYPE	SIDESTREAM CO ₂ SENSOR
Sample Flow Rate	50 ml/minute ± 10 ml/minute
Sensing Technology	Non-dispersive infrared (NDIR) single beam optics, dual wavelength, no moving parts in optical sensing assembly
Initialization Time	Capnogram displayed in less than 10 seconds; at an ambient temperature of 25°C, full accuracy specifications within 3 minutes
CO ₂ Measurement Range	0 to 99.00 mmHg; 0 to 13.03%; 0 to 13.20 kPa
CO ₂ Accuracy	0 – 38 mmHg ±2 mmHg 38 – 99 mmHg ±10% of reading
Measurement Frequency	100 Hz
Respiration Rate Range	0 to 100 Breaths Per Minute (BPM)
Compensation	On-board barometric pressure compensation (400 mmHg to 850 mmHg) Airway Pressure ±60 cmH ₂ O (±44.1 mmHg)
(Supplied by Host)	Operator selectable O ₂ , N ₂ O, He, and agent compensation
Exhaust Tube	Includes a 12" exhaust tube to connect to external exhaust port
Voltage Requirements	5.0 VDC ±5%
Power Rating	< 1.5 W steady state and > 2.0 W during warm-up period
Interconnection	Host connector for serial interface and power connection
Engine Dimensions	≤ 87 mm x 59 mm x 38 mm (L x W x H) exclusive of the mounting tabs
Temperature and Humidity	0 to 55°C, 10 to 95% non-condensing RH (Internal to host enclosure)
Data Interface	RS232, 19200 baud, 8-bit, No parity, 1 stop bit (no flow-control)
Data Output	CO ₂ gas concentration (mmHg), end-tidal CO ₂ , inspired CO ₂ , respiratory rate
Accessory Length of Use	Combine the filter assembly and dehumidification tubing for longer life of the filter and cannula




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Caution: U.S. federal law restricts these devices to sale by or on the order of a physician.

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