

FloTrak Elite Respiratory Mechanics Module

Speed in any  
**host device**



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

**RESPIRONICS**

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# Measure flow, pressure and volume for any patient in any setting.

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When it comes to avoiding delays and delivering optimal care to mechanically ventilated patients, clinicians rely on real-time respiratory measurements integrated into your host platform. The **FloTrak Elite** respiratory mechanics module is designed to put critical flow, pressure and volume readings into the clinician's hands, so they can take fast action to care for patients.

## Product features:

- ✓ Breath-by-breath flow, pressure and volume measurements
  - Captures 60 respiratory parameters
- ✓ No calibration required
- ✓ Approved for use in patients of all ages
- ✓ Additional parameters available when used with the CAPNOSTAT 5 Mainstream CO<sub>2</sub> sensor:
  - Carbon Dioxide Production (VCO<sub>2</sub>)
  - End-Tidal CO<sub>2</sub> (etCO<sub>2</sub>)
  - Deadspace / Tidal Volume Ratio (Vd/Vt)
- ✓ Two-year warranty



## Real-time readings for fast action

When a patient's respiration is in jeopardy, clinicians need comprehensive readings in real time to take fast action. The **FloTrak Elite** respiratory mechanics module is designed to capture over 60 respiratory parameters with each breath, delivering the critical information clinicians need without delay.

## A simple path to robust upgrades

From simple spirometry to volumetric capnography, the **FloTrak Elite** respiratory mechanics module works as part of a full respiratory monitoring suite to manage various types and severities of patient conditions.

## Trusted partners in innovation

The **FloTrak Elite** respiratory mechanics module is one of the many advanced technologies within our portfolio. Explore the entire suite of solutions at [www.respironics-capno.com](http://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.



## FloTrak Elite Module - Specifications

TRANSDUCER TYPE	FIXED ORIFICE DIFFERENTIAL PRESSURE	
<b>Flow<sup>1</sup></b>		
Range	Adult Pediatric Neonatal	2.0 to 180 LPM 0.75 to 100 LPM 0.25 to 30 LPM
Accuracy	Adult Pediatric Neonatal	Greater of 0.5 LPM or $\pm 3\%$ of reading Greater of 0.25 LPM or $\pm 3\%$ of reading Greater of 0.125 LPM or $\pm 3\%$ of reading
Resolution <sup>2</sup>	Adult / Pediatric / Neonatal	0.01 LPM
<b>Tidal Volume<sup>1</sup></b>		
Range	Adult Pediatric Neonatal	40 to 2500 mL 6 to 750 mL 2 to 100 mL
Accuracy	Adult Pediatric Neonatal	Greater of $\pm 10.0$ mL or $\pm 5\%$ of reading Greater of $\pm 3.0$ mL or $\pm 5\%$ of reading Greater of $\pm 1.0$ mL or $\pm 5\%$ of reading
Resolution <sup>2</sup>	Adult Pediatric Neonatal	1.0 mL 1.0 mL 0.1 mL
<b>Airway Pressure<sup>1</sup></b>		
Range	Adult / Pediatric / Neonatal	-120 to 120 cm H <sub>2</sub> O
Resolution <sup>2</sup>	Adult / Pediatric / Neonatal	0.1 cm H <sub>2</sub> O
Accuracy	Adult / Pediatric / Neonatal	Greater of $\pm 0.5$ cm H <sub>2</sub> O or $\pm 2\%$ of reading
<b>Respiration Rate</b>		
Range	Adult / Pediatric / Neonatal	2 to 150 BMP
Accuracy	Adult / Pediatric / Neonatal	$\pm 1$ BMP
<b>System Information</b>		
Sensor Interchangeability	Flow sensor may be interchanged at any time; zeroing is automatic	
Sensor Zero	Automatic, 2-second duration typical	
Calibration	No routine calibration required	
Purging	Automatic, synchronized to exhalation, or manual	
Communication Protocol	RS232, using Respiration software protocol. Allows interface with the CAPNOSTAT 5 sensor.	
<b>Physical Characteristics</b>		
Dimensions	3.95"L x 3.10"W x 1.08"H (maximum) (100.33 mm x 78.74 mm x 27.4 mm)	
Mounting Holes	4 x 0.125" Diameter centered 0.170" from edges	
Weight	< 150g	
Host Connector	Power/Communication interface – 20-pin socket, 2 mm spacing	
Voltage Requirements	5 VDC $\pm 2.5\%$	
Power Rating	1.1 Watt typical, steady state 3.4 Watts maximum during purge/zero functions	
Temperature	Operating: 10°C to 50°C Storage: -40°C to 60°C	
Ambient Humidity	10 to 95%, non-condensing	
Barometric Pressure	400 mmHg to 800 mmHg	

1 - System tested at ambient conditions at room temperature and sea level

2 - Transmitted resolution




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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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