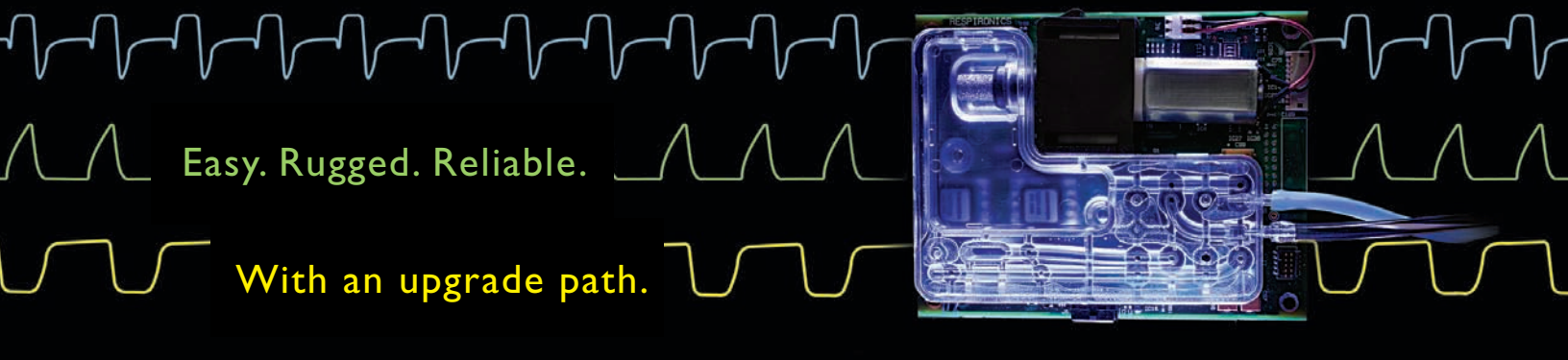


FloTrak Elite Respiratory Mechanics Module



Accurately measures proximal volume, flow and pressure in mechanically ventilated patients.

FloTrak Elite Module — Peace of mind for the clinician.

As a recognized global leader in respiratory mechanics, Respironics has been providing innovative and cost effective solutions to our partners for over 20 years. The FloTrak Elite module is the ideal system for monitoring flow, pressure and volume of mechanically ventilated patients. Respironics provides comprehensive technical, clinical, and marketing support to help meet the growing needs of your business.

PRODUCT FEATURES:

- Breath by breath flow, pressure and volume measurements
- No calibration required
- All patient populations
- Upgrade path with CO₂ for volumetric capnography
 - Deadspace/tidal volume ratio (Vd/Vt)
 - Indirect Fick cardiac output via partial rebreathing (PCBF)

A Winning Combination!



The FloTrak Elite module was designed for low power applications with a small footprint, and measures over 60 respiratory parameters on a breath by breath basis.



Enhanced Upgrade Path

The FloTrak Elite offers our partners a wide range of clinical solutions. The clinician is able to begin with simple spirometry with an easy upgrade path to capnography, volumetric capnography and non-invasive cardiac output for a full respiratory and monitoring suite to address a wide variety of patient conditions.

Complete OEM solutions

The FloTrak Elite module is just one of the many solutions we offer to our OEM customers. Respironics customizes innovative products along with providing comprehensive technical, clinical, and marketing support to help meet the growing needs of your business.

FloTrak Elite Module - Specifications

TRANSDUCER TYPE	FIXED ORIFICE DIFFERENTIAL PRESSURE	
Flow¹		
Range	Adult	2.0 to 180 LPM
	Pediatric	0.75 to 100 LPM
	Neonatal	0.25 to 30 LPM
Accuracy	Adult	Greater of 0.5 LPM or \pm 3% of reading
	Pediatric	Greater of 0.25 LPM or \pm 3% of reading
	Neonatal	Greater of 0.125 LPM or \pm 3% of reading
Resolution ²	Adult/Pediatric/Neonatal	0.01 LPM
Tidal Volume¹		
Range	Adult	40 to 2500 mL
	Pediatric	6 to 750 mL
	Neonatal	2 to 100 mL
Accuracy	Adult	Greater of \pm 10.0 mL or \pm 5% of reading
	Pediatric	Greater of \pm 3.0 mL or \pm 5% of reading
	Neonatal	Greater of \pm 1.0 mL or \pm 5% of reading
Resolution ²	Adult	1.0 mL
	Pediatric	1.0 mL
	Neonatal	0.1 mL
Airway Pressure¹		
Range	Adult/Pediatric/Neonatal	-120 to 120 cm H ₂ O
Resolution ²	Adult/Pediatric/Neonatal	0.1 cm H ₂ O
Accuracy	Adult/Pediatric/Neonatal	Greater of \pm 0.5 cm H ₂ O or \pm 2% of reading
Respiration Rate		
Range	Adult/Pediatric/Neonatal	2 to 150 BPM
Accuracy	Adult/Pediatric/Neonatal	\pm 1 BPM
Pressure Drop ³	Adult/Pediatric	2.0 cm H ₂ O at 60 LPM
	Neonatal	1.5 cm H ₂ O at 10 LPM
Sensor Interchangeability	Flow sensor may be interchanged at any time; zeroing is automatic	
Sensor Zero	Automatic, 2 second duration typical	
Calibration	No routine calibration is required	
Purging	Automatic, synchronized to exhalation, or manual	
Communications Protocol	RS232/USB, using Respironics software protocol	
Physical Characteristics		
Dimensions	3.95"L x 3.10"W x 1.08"H (maximum) (100.33 mm x 78.74 mm x 27.43 mm)	
Mounting Holes	4 x 0.125" Diameter centered 0.170" from edges	
Weight	< 150 g	
Host Connector	Power/Communication interface - 20-pin socket, 2 mm spacing	
Voltage Requirements	5VDC \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	Less than 95% RH, non-condensing	
Barometric Pressure	400 mmHg to 800 mmHg	

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

2 - Transmitted resolution

3 - Flow only sensors

RESPIRONICS
Envisioning tomorrow. Improving today.

For more information, visit <http://oem.respironics.com>
or call the OEM team at 1.800.243.3444, Option 3 or 203.697.6488

Specifications subject to change without notice. Customer is responsible for all regulatory approvals and market clearance.

CAUTION: US law restricts this device to sale by or on the order of a licensed medical practitioner.

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