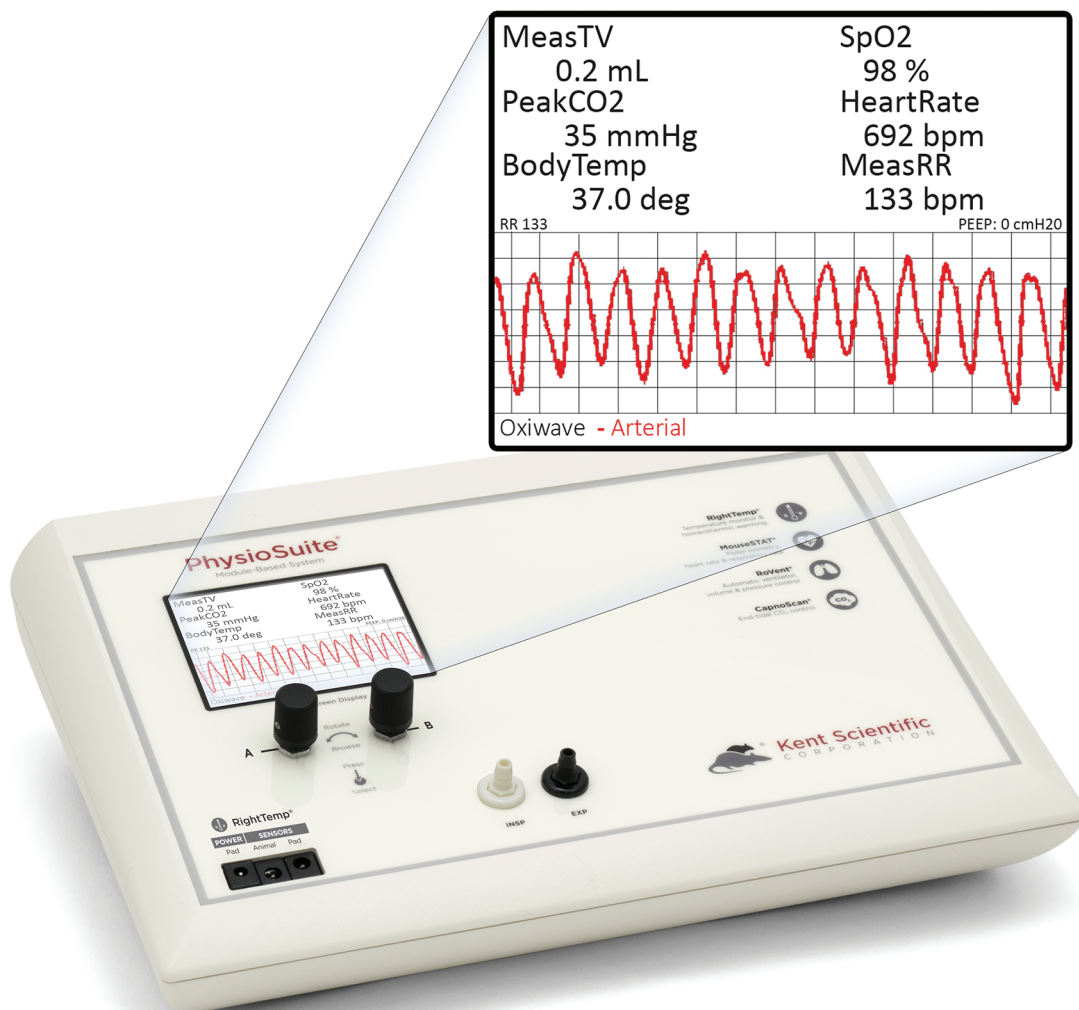


# PhysioSuite®

Multi-physiological monitor  
with warming, temperature  
control and ventilation



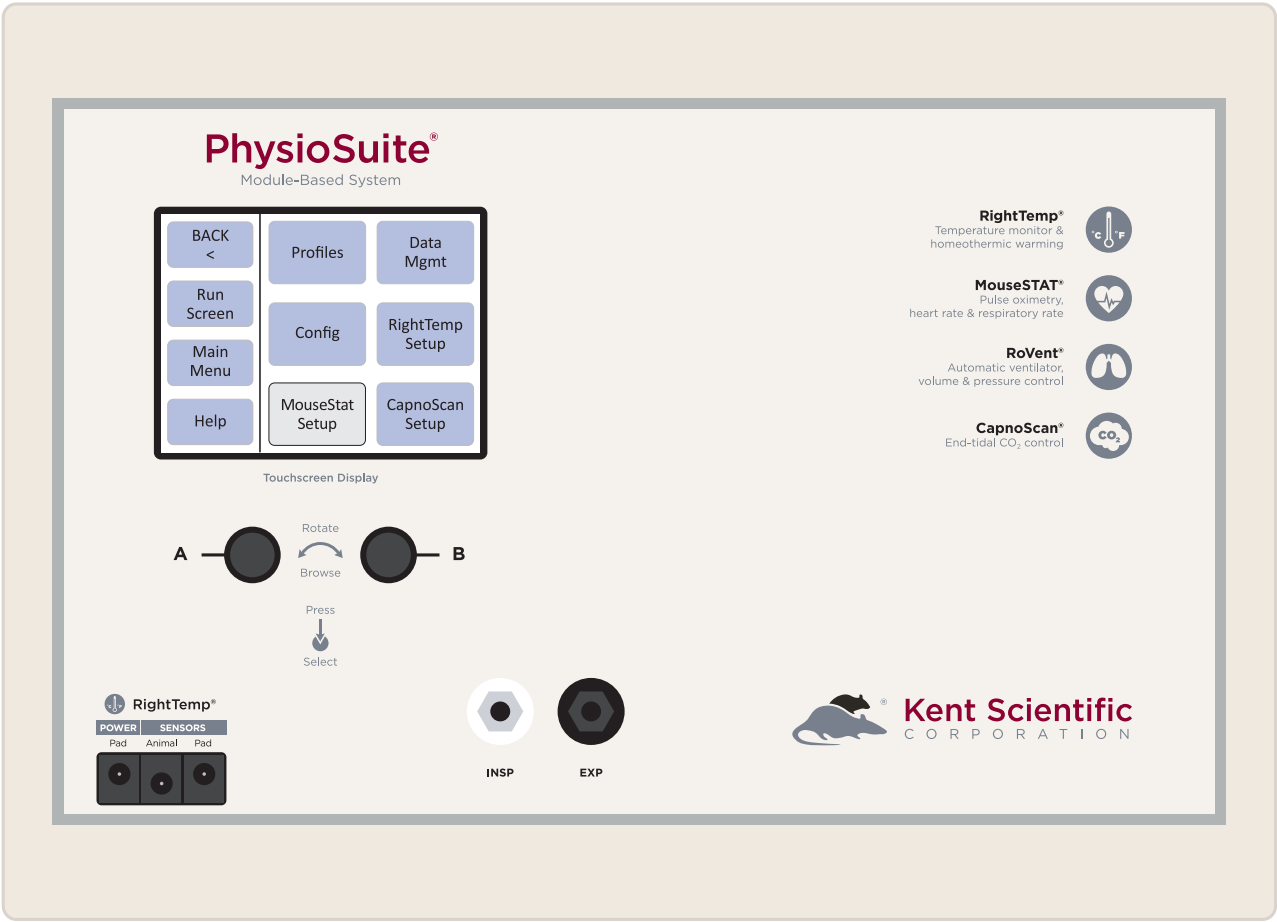
**ANIMA LAB**  
animal facility and laboratory equipment • animal research models



# PhysioSuite Modules

The PhysioSuite Modular System includes an integrated touch screen display, real-time recordings and 5 safety alarms. Internal memory provides data storage, with a mini USB for data output. The PhysioSuite is compatible with stereotaxic devices.

The PhysioSuite is essentially a box that you fill with the modules your research requires. Each module is a separate component that provides a specific function: warming, ventilation, pulse oximetry and CO<sub>2</sub> monitoring. Combine the modules you need now and add additional modules later as your research demands.



## What Your Colleagues Are Saying...

*“The MouseSTAT pulse oximeter works very well, you literally place the sensor on the paw and it reads better than any rodent monitoring systems that I have looked into.”*

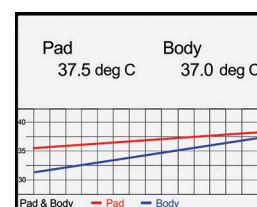
- Lead Researcher, US Pharmaceutical Lab



## RightTemp® Temperature monitor and homeothermic control module



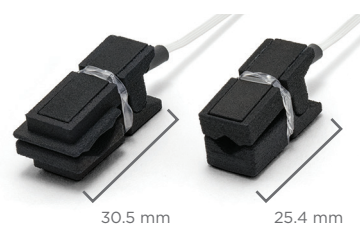
- Far infrared warming
  - Penetrates deep to safely warm the animal
- Flexible rectal probes
  - Standard with every system
- Pre-program animal temperature
  - Safely warm the animal without overheating
- Automatic feedback control
  - Self-regulate your animal's temperature



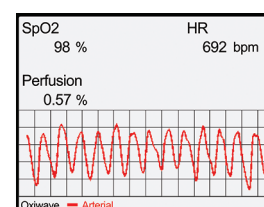
## MouseSTAT® Pulse oximeter and heart rate monitor module



- Engineered for mice and rats
  - Accurately measures heart rates up to 900 bpm
- Soft touch paw sensors
  - Reduces pressure to maintain unrestricted blood flow
- Modular capability
  - Integrates with ventilation, temperature and end-tidal CO<sub>2</sub> monitoring modules
- Respiratory rate option available
  - Measures breaths per minute



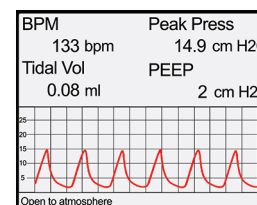
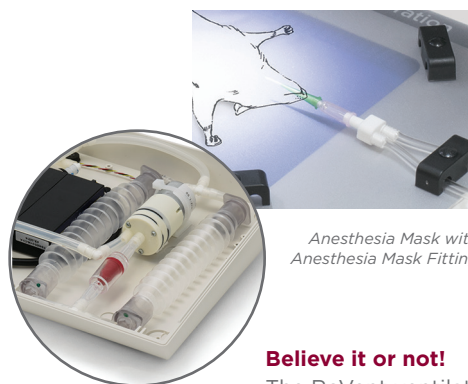
Pulse Oximeter Sensors,  
MRI Compatible Sensors Available



## RoVent® Small animal automated ventilator module



- Fully Automatic
  - Pre-programmed settings based on animal weight
- Ideal for mice, rats and small animals
  - Ventilate animals from 3g to 1,250g
- Ventilate by pressure or volume control
  - Easily switch between modes, no need for additional equipment
- Advanced features include
  - Sigh breath, adjustable I:E, inspiratory & expiratory hold and PEEP
  - Continuous monitoring of airway pressure reduces over-pressurization
- Multi-animal capability\*
  - Greater efficiency



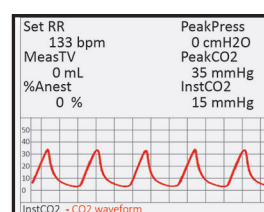
\*Our clinical department will be pleased to review your study protocol to confirm that our product will meet your specific study requirements.

**Believe it or not!**  
The RoVent ventilator is right inside the PhysioSuite!

## CapnoScan® CO<sub>2</sub> monitor module



- Highly sensitive infrared spectroscopy CO<sub>2</sub> sensor
  - Delivers clear, accurate capnogram
- Monitors end-tidal CO<sub>2</sub> measurements
- Low sampling rates
- Ideal for mice and rats
- Compensates for temperature, pressure and gas type
  - Allows for accurate measurements



# PhysioSuite®



## Temperature Monitor and Homeothermic Control / RightTemp®

Resistance	2,252 ohm
Tolerance	+/- 0.2° C
Accuracy	0-70° C
Operating Temp.	-60° C to 150° C
Sensor Diameter	Mouse: Tip/ball diameter: 0.077" Shaft diameter: 0.062"
	Rat: 0.140"
Time Constant	15.0 seconds
Dissipation Constant	0.75 m/W (° C)



## Pulse Oximeter and Heart Rate Monitor / MouseSTAT®

Heart Rate	Up to 900 bpm
Resolution	1%
SpO <sub>2</sub> Range	70 to 100%
Alarms	5, Programmable
Data Export	Yes
SpO <sub>2</sub> Sensors	Soft Touch Paw Sensors (standard) Large Animal Clip Sensors Pup Sensors MRI Sensors



## Automatic Ventilator / RoVent®

Control Modes	Volume Controlled, Pressure Controlled
I:E Ratio	1:1 to 1:5
PEEP	Built-in
Respiratory Assist	Automatic or Manual
Sigh Pressure	2 to 30 cmH <sub>2</sub> O
Sigh Breath	Automatic or Manual
Respiratory Rate Range	20 to 350 bpm
Max Inspiratory Flow	1.5 SLPM
Weight Range	3g to 1,250g
Multi-animal capability*	Yes

*\*Our clinical department will be pleased to review your study protocol to confirm that our product will meet your specific study requirements.*



## End-Tidal CO<sub>2</sub> Monitor / CapnoScan®

Transducer Type	Sidestream Sensor
Sample Rate	50 mL/min. +/- 10mL/min.
Initialization Time	< 15 seconds
Measurement Range	0 to 16%, 0 to 120 mmHg
Rise Time	< 60 ms
Resolution	0.1 mmHg 0.25 mmHg
	0 to 69 mmHg 70 to 150 mmHg
Accuracy	0 to 150 mmHg, ±2 mmHg

**1-Year, 100% Parts & Labor Warranty** (3-Year extended warranty available)  
Visit our website for additional product information.

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CORPORATION

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Torrington, CT 06790

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## More innovative products for your research:

### SurgiSuite

Surgical platforms

Shown with options:  
Far Infrared Warming Pad,  
LED Lighting,  
and Magnification Kit



### MouseSTAT Jr.

Hand held pulse oximeter  
for mice and rats



### RoVent Jr.

Small animal ventilator  
is ideal for mice, rats and  
small animals up to 1,250g

**Includes FREE RightTemp**  
Temperature monitor and  
homeothermic control module.



### Intubation Stands

Intubate mice and rats  
while delivering isoflurane

