

PhysioSuite[®]

Modular System



NEW Touch Screen

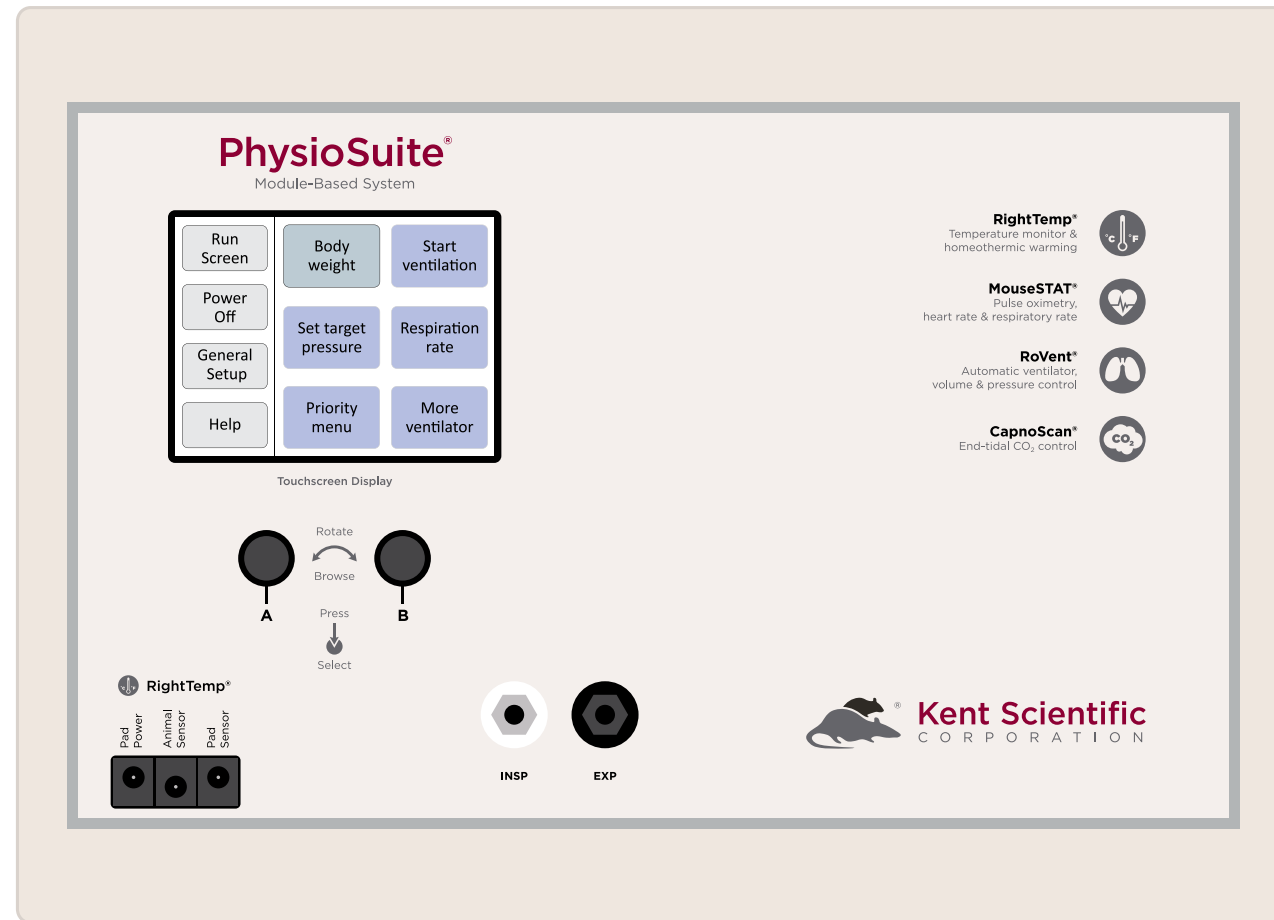
Run Screen	Body weight	Start ventilation
Power Off	Set target pressure	Respiration rate
General Setup	Priority menu	More ventilator
Help		



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.

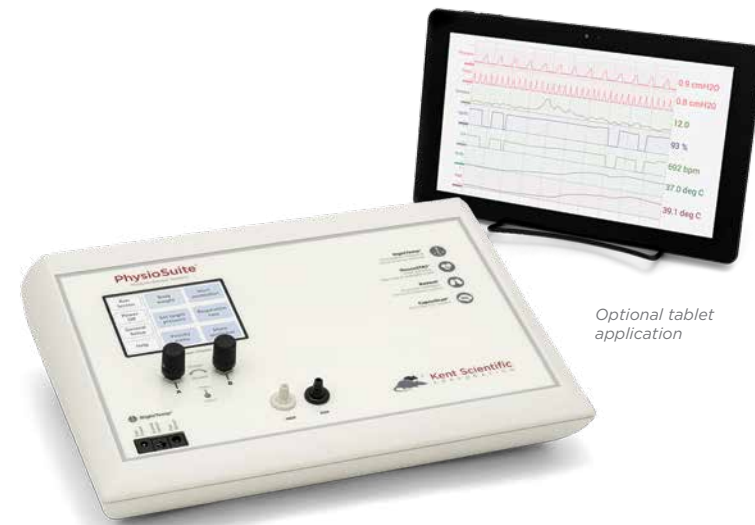
The PhysioSuite is essentially a box that you fill with the modules your research requires. Each module is a separate component that provides a specific function: warming, ventilation, pulse oximetry and CO₂ monitoring. Combine the modules you need now and add additional modules later as your research demands.



What Your Colleagues Are Saying...

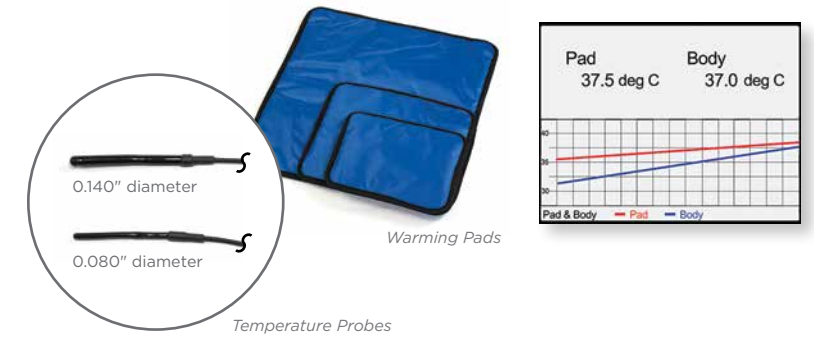
"The MouseSTAT pulse oximeter works very well, you literally place the sensor on the paw and it reads better than any rodent monitoring systems that I have looked into."

- Lead Researcher, US Pharmaceutical Lab



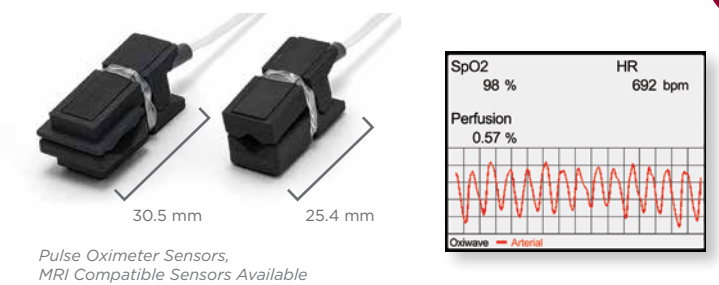
Temperature Monitor & Homeothermic Warming / RightTemp®

- Far infrared warming
 - Penetrates deep to safely warm the animal
- Flexible rectal probes for mice and rats
 - Standard with every system—no need to buy additional sensors
- Pre-program animal temperature
 - Safely warm the animal without overheating
- Automatic feedback control
 - Self-regulate your animal's temperature



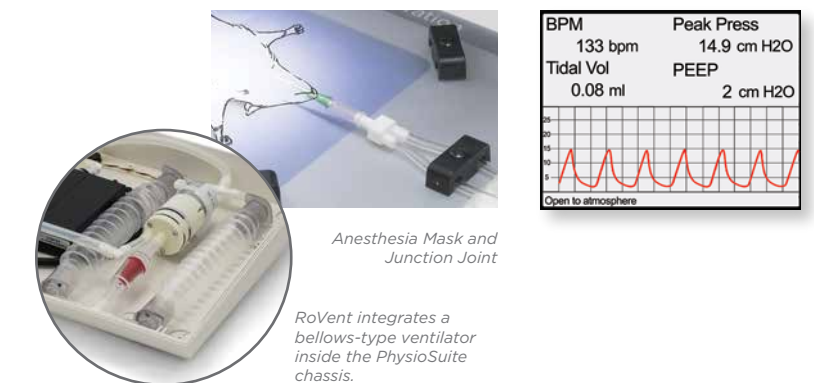
Pulse Oximetry, Heart Rate & Respiratory Rate / MouseSTAT®

- 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 CO₂ monitoring modules



Ventilation / RoVent®

- Fully Automatic
 - Preprogrammed settings based on animal weight
- Ideal for mice, rats and guinea pigs
 - 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



End-Tidal CO₂ / CapnoScan®

- Highly sensitive infrared spectroscopy CO₂ sensor
 - Delivers clear, accurate capnogram
- Low sampling rates
- Ideal for mice and rats
- Compensates for temperature, pressure and gas type
 - Allows for accurate measurements



PhysioSuite®

Temp. Monitoring & Homeothermic Control / **RightTemp®**

Resistance	2,252 ohm
Tolerance	+/- 0.2° C
Accuracy	0-70° C
Operating Temp.	-60° C to 150° C
Sensor Tip Diameter	Mouse: 0.080" Rat: 0.140"
Time Constant	15.0 seconds
Dissipation Constant	0.75 m/W (° C)

Pulse Oximeter & Heart Rate Monitor / **MouseSTAT®**

Heart Rate	Up to 900 bpm
Resolution	1%
SpO ₂ Range	70 to 100%
Alarms	5, Programmable
Data Export	Yes
SpO ₂ Sensors	Soft Touch Paw Sensors (standard) Large Animal Clip Sensors Pup 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 ₂ O
Sigh Breath	Automatic or Manual
Respiratory Rate Range	20 to 350 bpm
Max Inspiratory Flow	1.5 SLPM
Weight Range	3 to 1,250g

End-Tidal CO₂ 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 to 69 mmHg
	0.25 mmHg	70 to 150 mmHg
Accuracy	0 to 150 mmHg, ±2 mmHg	

1-Year, 100% Parts & Labor Warranty
(3-Year Extended Warranty available)

Choose your
PhysioSuite:

888.572.8887

www.kentscientific.com/physiosuite



Kent Scientific
CORPORATION

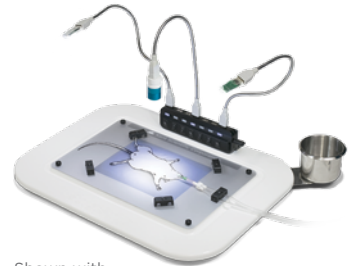
1116 Litchfield Street
Torrington, CT 06790



Also from Kent Scientific:

SurgiSuite

Surgical platform.
Only \$475



Shown with
optional LED Lighting Kit

MouseSTAT Jr.

Hand held pulse oximeter
for mice and rats.
Only \$1,495



RoVent Jr.

Small Animal Ventilator is
ideal for mice, rats and
guinea pigs up to 1,250g.
Only \$2,875



Intubation Stand

Adjustable stand for the
intubation of mice with
integrated anesthesia mask.
Only \$495

