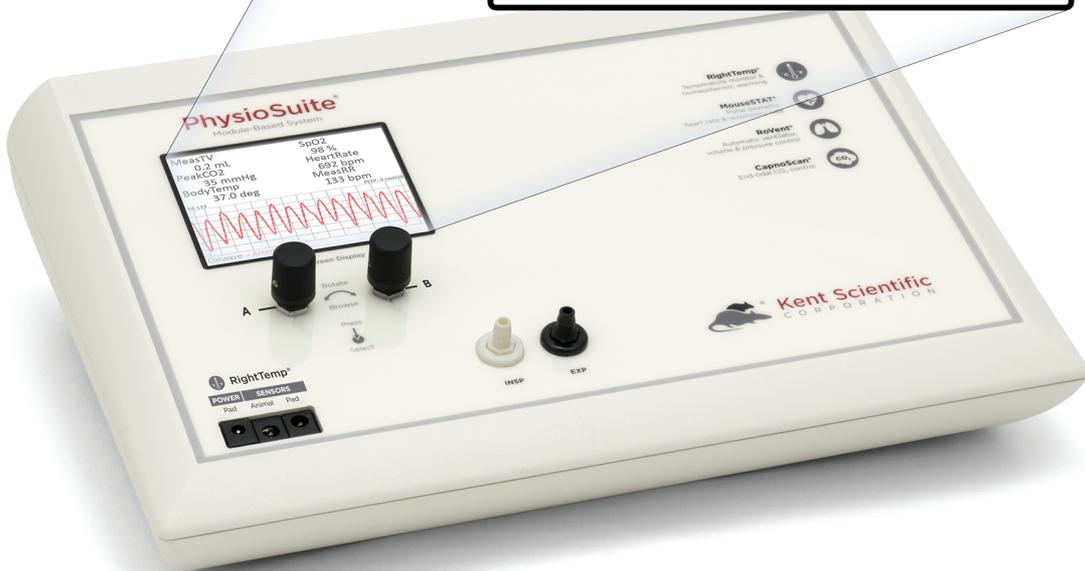
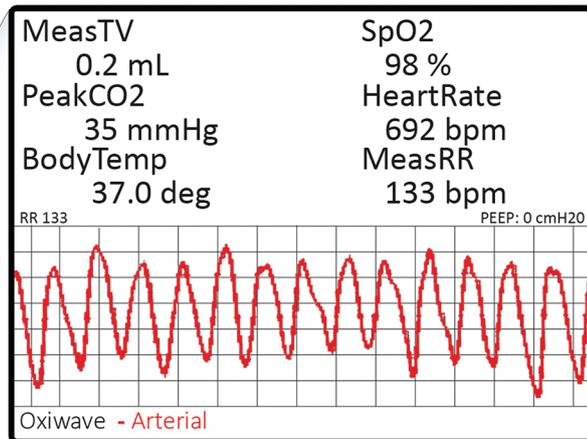


PhysioSuite[®]

Multi-physiological monitor
with warming, temperature
control and ventilation



ANIMA LAB
animal facility and laboratory equipment • animal research models



www.animalab.eu
info@animalab.eu

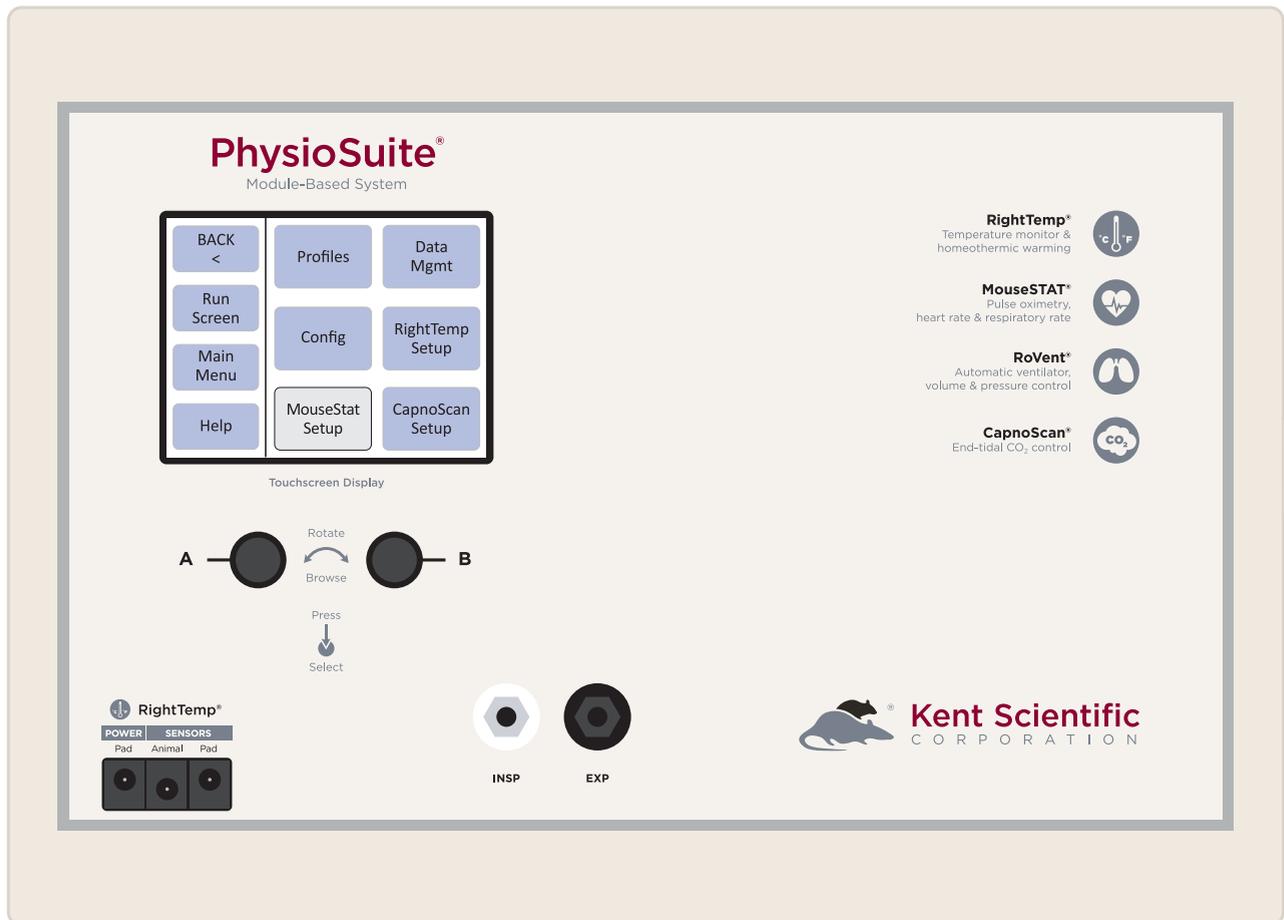


Kent Scientific
CORPORATION

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."

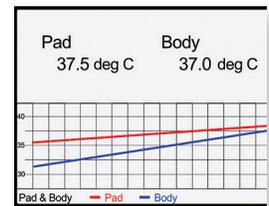
- Lead Researcher, US Pharmaceutical Lab



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



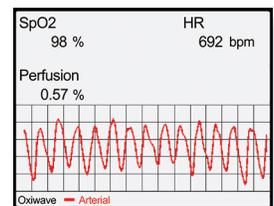
MouseSTAT® Pulse oximeter and heart rate monitor module



- 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 CO₂ monitoring modules
- Respiratory rate option available
 - Measures breaths per minute



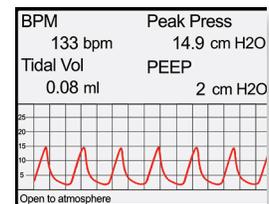
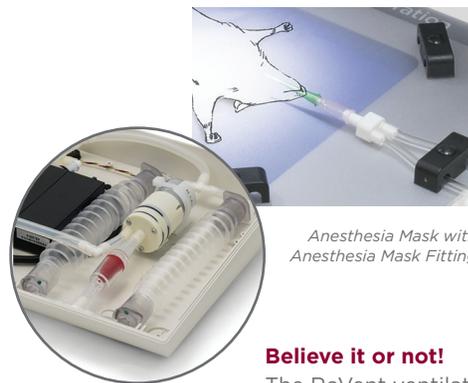
Pulse Oximeter Sensors,
MRI Compatible Sensors Available



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



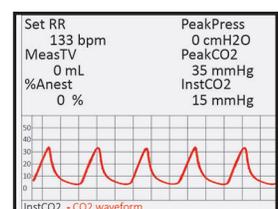
*Our clinical department will be pleased to review your study protocol to confirm that our product will meet your specific study requirements.

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

CapnoScan® CO₂ monitor module



- Highly sensitive infrared spectroscopy CO₂ sensor
 - Delivers clear, accurate capnogram
- Monitors end-tidal CO₂ 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 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 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 ₂ 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 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)
Visit our website for additional product information.

ANIMA LAB
animal facility and laboratory equipment • animal research models

www.animalab.eu

 **Kent Scientific**
CORPORATION

1116 Litchfield Street
Torrington, CT 06790

10.18.1

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 rates
while delivering isoflurane

