

# Temperature and Light Controlled Enclosures



**Pictured: Two temperature and light controlled enclosures housing 24 VO<sub>2</sub>/VCO<sub>2</sub> metabolic cages**

Accurate assessment of animal behavior and physiology is greatly improved when housed within a temperature range that suits the species under study. For research with mice and rats, this temperature is well above that of the common laboratory environment. Columbus Instruments' Temperature and Light Controlled Enclosures provide a user adjustable environment that offers isolation of multiple animal chambers from the ambient environment as well as control of operating temperature (5° to 40°C) and, optionally, LED lighting (with control of both color temperature and level of illumination). ENC Enclosure units also support rapid "cold challenge" protocols.

## Features

- 5° to 40°C Operating Range
- Over/Under Temperature Shutoff
- ±1°C Temperature Uniformity
- Programmable Temperature Profiles
- Fluorescent Lighting
- Pitch Black Darkness

## Optional LED Lighting

- Adjustable Color (16 million colors)
- Adjustable Luminescence



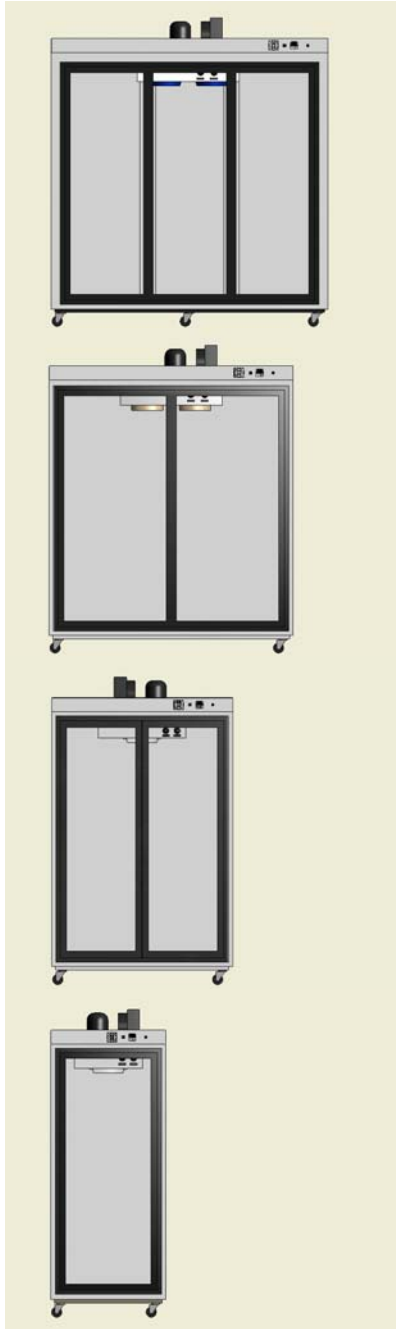
**C o l u m b u s I n s t r u m e n t s**

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Email: [sales@colinst.com](mailto:sales@colinst.com) WebSite: [www.colinst.com](http://www.colinst.com)

# Temperature and Light Controlled Enclosures

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## Model CLAMS-ENC79

### Specifications:

Exterior: 79" x 31" x 78.5" (86.5" with compressor installed)  
Exterior: 201cm x 79cm x 200cm (220cm with compressor installed)  
Interior: 73" x 24" x 69" [79 cu.ft.]  
Interior: 186cm x 61cm x 175cm [2236 liters]  
Number of doors: 3  
Typical Housing: 16 mouse cages  
Circulating Fans: 2

## Model CLAMS-ENC70

### Specifications:

Exterior: 70" x 31" x 78.5" (86.5" with compressor installed)  
Exterior: 178cm x 79cm x 200cm (220cm with compressor installed)  
Interior: 66" x 24" x 69" [72 cu.ft.]  
Interior: 168cm x 61cm x 175cm [2040 liters]  
Number of doors: 2  
Typical Housing: 8 rat cages  
Circulating Fans: 2

## Model CLAMS-ENC52

### Specifications:

Exterior: 52" x 31" x 78.5" (86.5" with compressor installed)  
Exterior: 139cm x 79cm x 200cm (220cm with compressor installed)  
Interior: 48" x 24" x 69" [42 cu.ft.]  
Interior: 122cm x 61cm x 175cm [1190 liters]  
Number of doors: 2  
Typical Housing: 12 mouse cages  
Circulating Fans: 1

## Model CLAMS-ENC33

### Specifications:

Exterior: 33" x 31" x 78.5" (86.5" with compressor installed)  
Exterior: 84cm x 79cm x 200cm (220cm with compressor installed)  
Interior: 29" x 24" x 69" [25 cu.ft.]  
Interior: 74cm x 61cm x 175cm [708 liters]  
Number of doors: 1  
Typical Housing: 6 mouse cages  
Circulating Fans: 1

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### Temperature Specifications:

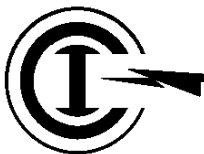
**Operating Range:** 5° to 40°C  
**Accuracy:** ±0.1°C  
**Uniformity:** ±1°C

Over-temperature and Under-temperature Protected

### Lighting Control Specifications (optional):

**Red:** 625nm, 650mcd  
**Green:** 520nm, 1000mcd  
**Blue:** 465nm, 400mcd

**Lighting Control Part Number:** CLAMS-ENC-DL



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