

# ANIMAL HYPOXIC INCUBATOR



## ACCURACY

### Precise Control of O<sub>2</sub> and CO<sub>2</sub>

- ☆ O<sub>2</sub> Control: 0.1% - 25.0%, in 0.1% increments
- ☆ Optional CO<sub>2</sub> Monitor and Alarm: 0.1% - 20.0%, with 0.1% accuracy

**ATMOSPHERE CONTROL** 2023-06-10 15:35:50

|                         |                          |
|-------------------------|--------------------------|
| O <sub>2</sub> Cur: 10% | CO <sub>2</sub> Cur: 10% |
| O <sub>2</sub> Set: 10% | Up Limit: 10.5%          |
| Up Limit: 10.5%         | Down Limit: 9.5%         |
| Down Limit: 9.5%        |                          |

Running State: Stand by ...

Hypoxic Cycle CurveView Start Back

### Optional Temperature Control

- ☆ Temperature Control: 2°C above ambient up to 45°C, in 0.1°C increments
- ☆ Real-time temperature probe for accurate monitoring

### Optional Programmable Hypoxic Cycle

- ☆ Users can preselect four levels of O<sub>2</sub> and CO<sub>2</sub> and set the duration of each pair of set points

**HYPOXIC CYCLE SETTINGS** 2023-06-10 15:35:50

Parameter Settings:

|        | O <sub>2</sub> % | CO <sub>2</sub> % | TIME  |
|--------|------------------|-------------------|-------|
| Step1  | 10.0             | 5.0               | 10    |
| Step2  | 5.0              | 5.0               | 20    |
| Step3  | 15.0             | 5.0               | 20    |
| Step4  | 5.0              | 5.0               | 10    |
| Keep   | 10.0             | 5.0               |       |
| Cycles | 5                | Temp              | 37 °C |

State: Stand by ...

|  | O <sub>2</sub> Value | Act1   | Mins |
|--|----------------------|--------|------|
|  | 10.0 %               | Act1   | 10   |
|  |                      | Act2   | 20   |
|  |                      | Act3   | 20   |
|  |                      | Act4   | 10   |
|  |                      | Keep   | 18   |
|  |                      | Cycles | 5    |

CO<sub>2</sub> Value 5.0 %

CurveView Start Back

### Streamlined Data Recording

- ☆ Integrated USB data logging system allows effortless recording and retrieval of experiment data

**PARAMETER STABILITY TRACKING**

| No. | TIME     | DATE       | O <sub>2</sub> SP | O <sub>2</sub> CP | Humidity SP | Humidity CP | Temp SP | Temp CP | Pressure |
|-----|----------|------------|-------------------|-------------------|-------------|-------------|---------|---------|----------|
| 481 | 14:59:02 | 10/15/2023 | 0.0               | 19.8              | 0.0         | 29.0        | 0.0     | 28.6    | 0.25     |
| 482 | 14:58:02 | 10/15/2023 | 0.0               | 19.9              | 0.0         | 29.0        | 0.0     | 28.6    | 0.26     |
| 483 | 14:57:02 | 10/15/2023 | 0.0               | 19.9              | 0.0         | 29.0        | 0.0     | 28.5    | 0.26     |
| 484 | 14:56:02 | 10/15/2023 | 0.0               | 19.9              | 0.0         | 29.0        | 0.0     | 28.5    | 0.26     |
| 485 | 14:55:02 | 10/15/2023 | 0.0               | 19.9              | 0.0         | 29.0        | 0.0     | 28.5    | 0.26     |
| 486 | 14:54:02 | 10/15/2023 | 0.0               | 19.9              | 0.0         | 29.0        | 0.0     | 28.5    | 0.26     |
| 487 | 14:53:02 | 10/15/2023 | 0.0               | 19.9              | 0.0         | 29.0        | 0.0     | 28.5    | 0.26     |
| 488 | 14:52:02 | 10/15/2023 | 0.0               | 19.9              | 0.0         | 29.0        | 0.0     | 28.5    | 0.26     |
| 489 | 14:51:02 | 10/15/2023 | 0.0               | 20.0              | 0.0         | 29.0        | 0.0     | 28.5    | 0.25     |
| 490 | 14:50:02 | 10/15/2023 | 0.0               | 20.0              | 0.0         | 28.0        | 0.0     | 28.5    | 0.25     |

O<sub>2</sub> Humidity Temp Table Back

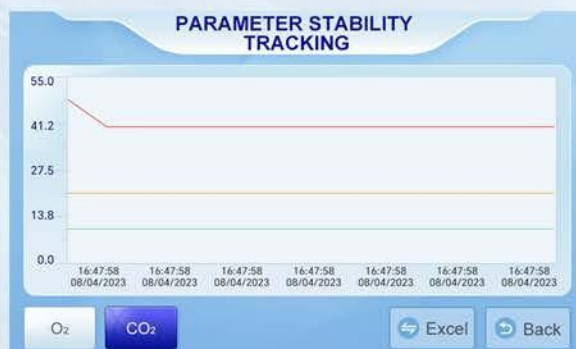
## CONVENIENCE

### Quick Gas Sensor Calibration

- ☆ Rapid calibration of the O<sub>2</sub> and CO<sub>2</sub> sensor ensures precise gas concentration detection

### Auto Generation of Parameter Curves

- ☆ Parameters can be automatically plotted on charts, simplifying data analysis and interpretation



### Versatile Oxygen Supply Options

- ☆ Choose between the built-in air pump or a compressed air cylinder model for flexible oxygen supply solutions
- ☆ Built-in air pump for efficient and reliable oxygen delivery, eliminating the need for an external compressed air cylinder

### Enhanced Control and Efficiency

- ☆ Rapid and automatic set point attainment for precise control of experimental conditions
- ☆ Swift initial setup for quick start of experiments
- ☆ Efficient recovery times for optimized workflow and enhanced productivity

## PRODUCT DIMENSIONS

| Model            |       | GC-AE<br>(2 Mouse Cage) |     | GC-A<br>(2 Mouse Cage) |     | GC-AD<br>(4 Mouse Cage) |      |
|------------------|-------|-------------------------|-----|------------------------|-----|-------------------------|------|
| Internal<br>Size | H(mm) | 328                     | 60L | 328                    | 60L | 530                     | 228L |
|                  | W(mm) | 443                     |     | 443                    |     | 860                     |      |
|                  | D(mm) | 415                     |     | 415                    |     | 500                     |      |
| External<br>Size | H(mm) | 370                     |     | 370                    |     | 565                     |      |
|                  | W(mm) | 450                     |     | 455                    |     | 880                     |      |
|                  | D(mm) | 510                     |     | 510                    |     | 630                     |      |

## SPECIFICATIONS

|                          |                     |                                  |           |
|--------------------------|---------------------|----------------------------------|-----------|
| Gas Supplies             | N <sub>2</sub> /Air | Real-Time O <sub>2</sub> Control | Available |
| Quick Sensor Calibration | Available           | Three-Tiered User Password       | Available |
| USB Data Logging System  | Available           | Real-time Data Graphing          | Available |
| 12 Months Warranty       | Available           |                                  |           |

## OPTIONS

|                                     |          |                                      |       |
|-------------------------------------|----------|--------------------------------------|-------|
| CO <sub>2</sub> Monitor with Alarm  | GC007    | Temperature Control                  | GC006 |
| Extra Portable O <sub>2</sub> Meter | GC013    | Programmable Hypoxic Cycle           | GC008 |
| High Oxygen System                  | GC002    | Cooling System with Dehumidification | GC010 |
| Single Cable Port                   | GC012    | Cylinder Low Pressure Alarm          | GC001 |
| Warranty Extension                  | Flexible |                                      |       |

## CUSTOMISED PRODUCTS



Larger Animal Incubator - GC-AD



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