

# IN Incubators

## Cole-Parmer Mini Incubator

### Compact and economical

- Holds up to 14 microwell plates or 54 test tubes
- Stack units to increase capacity without using more bench space
- Heating element lies in the back—eliminates the risk of scorching the sample when placed on the chamber floor



03608-14

**What's included:** 6-ft power cord with plug.

### Specifications & Ordering Information

**Temperature range:**  
5° above ambient to 42°C

**Construction:** aluminum inner body; white PVC outer cover; Plexiglas® transparent flip-up door

**Display:** Digitemp strip

Catalog number	Capacity (cu ft)	Dimensions (W x H x D)	Watts	Power (VAC, Hz)	Price
<a href="#">KH-03608-14</a>	0.1	Chamber: 7¼" x 5¼" x 5¼"	24	120, 50/60	
<a href="#">KH-03608-15</a>		Overall: 7½" x 6¾" x 6½"	—	230, 50/60	

## Low-Cost Analog and Digital Incubators

### Versatile and dependable—ideal for clinical, educational, or industrial labs

- Maintain temperatures with ±0.5°C stability\*
- Tinted, see-through acrylic door lets you view the entire chamber without opening the door—ensures good temperature stability

These incubators are microprocessor controlled and include a unique temperature tracking feature which stores maximum process temperature deviation from set point in 0.1 degree units. Self-diagnostic function alerts the user if control software malfunctions or thermocouple fails. The LED displays temperature in °C or °F.

**What's included:** chrome-plated adjustable shelf and fixed bottom shelf, and power cord with three-prong grounded plug.



Digital incubator  
03613-40

### Specifications & Ordering Information

**Display:** 4-digit LED

**Resolution:** 1.0 or 0.1°C

**Construction:** powder-coated, cold-rolled steel exterior; aluminum interior; fiberglass insulation; tinted acrylic door

**2 year warranty**  
on heating element

Catalog number	Capacity (cu ft)	Temperature uniformity	Temperature range	Dimensions (W x H x D)		Shelf positions	Shelves included	Power		Shpg wt lb (kg)	Price
				Chamber	Overall			Watts	VAC, Hz		
<b>Analog low-cost incubators</b>											
<a href="#">KH-03613-00</a>	0.7	±5°C	+5 to 80°C	12" x 10" x 10"	13" x 15½" x 11¼"	6	1	300	120, 60	28 (12.8)	
<a href="#">KH-03613-10</a>	0.7	±3°C	+5 to 62°C	12" x 10" x 10"	13" x 15" x 10¾"	6	1	100	120, 60	23 (10.5)	
<a href="#">KH-03613-20</a>	2.0	±3°C	+5 to 65°C	18" x 16" x 12"	19" x 21" x 13"	11	1	200	120, 60	40 (18.2)	
<b>Digital low-cost incubators</b>											
<a href="#">KH-03613-30</a>	0.7	±1.2°C	+5 to 60°C	12" x 10" x 10"	13" x 15½" x 10¾"	6	2	100	115, 50/60	23 (10.5)	
<a href="#">KH-03613-35</a>								100	230, 50/60		
<a href="#">KH-03613-40</a>	2.0	±1.5°C	+5 to 60°C	18½" x 16" x 12"	19½" x 21½" x 13"	11	2	200	115, 50/60	41 (18.6)	
<a href="#">KH-03613-45</a>								200	230, 50/60		

\*Measured at 35°C under controlled laboratory conditions

## Compact Incubator

### Excellent uniformity for a wide range of routine applications

- Compact design requires minimal bench space
- See-through acrylic door lets you view contents without opening door

**What's included:** spirit-filled thermometer (–10 to 110°C), 6-ft power cord with plug

03608-16



### Specifications & Ordering Information

**Temperature range:** 5° above ambient to 60°C

**Resolution:** 1°C

**Construction:** enamel finished cold-rolled steel outer body; aluminum inner body

Catalog number	Capacity (cu ft)	Accuracy	Temperature uniformity	Temperature display	Dimensions (W x H x D)		Shelf positions	Shelves included	Power (VAC, Hz)	Price
					Chamber	Overall				
<a href="#">KH-03608-16</a>	0.8	±1.0°C	±1.0°C	Thermometer (–10 to 110°C)	12" x 10½" x 11½"	14" x 16¼" x 13"	4	2	115, 50/60	
<a href="#">KH-03608-18</a>									230, 50/60	

## General-Purpose Gravity-Convection Incubators

### High-quality incubators at affordable prices

- Adjustable hydraulic thermostat reacts quickly to temperature changes
- Radiant warm-wall heating provides maximum temperature uniformity in chamber

**What's included:** two adjustable, perforated aluminum shelves; red spirit-filled thermometer, and a three-wire line 6-ft cord with molded plug.

### Specifications & Ordering Information

**Temperature range:** 5° above ambient to 65°C

**Construction:** corrosion-resistand aluminum chamber and steel exterior with durable powder-coat paint



03610-50

Catalog number	Capacity (cu ft)	Accuracy at 37°C	Uniformity at 37°C	Dimensions (W x H x D)		Shelf positions	Shelves included	Power		Shpg wt lb (kg)	Price
				Chamber	Overall			Watts	VAC, Hz		
<a href="#">KH-03610-50</a> <a href="#">KH-03610-52</a>	1.3	±1°C	±1°C	13" x 13" x 13"	15¼" x 21" x 15"	20	2	200	120, 50/60 240, 50/60	51 (23)	
<a href="#">KH-03610-04</a> <a href="#">KH-03610-06</a>	5.1	±1.2°C	±1.3°C	18" x 27" x 18"	21" x 33" x 21"	20	2	400	120, 50/60 240, 50/60	90 (41)	

## StableTemp General-Purpose Analog and Digital Incubators

### High-quality mechanical convection incubators at affordable prices!

All incubators are produced from 22 Ga steel and the exterior is powder coated for both scratch and stain resistance. The interior is easy-to-clean aluminum. See-through polycarbonate doors with positive latches allow you to conveniently monitor laboratory applications. All analog incubators use a hydraulic thermostat for control of temperature and a separate on/off switch. The digital incubators utilize a PID controller and digital temperature input and readout. Over-range safety thermostat with a red warning indicator light, and a five hour timer are also provided.

**What's included:** adjustable shelves, thermometer (for analog units), and 6-ft cord with molded plug.

### Specifications & Ordering Information

**Temperature range:** 10° above ambient to 90°C

**Construction:** stainless steel interior and shelves, steel exterior with 0.8-pt powder coating, nonflammable polystyrene insulation, see-thru polycarbonate doors



01100-32

New



01100-40



Catalog number	Capacity (cu ft)	Stability at 37°C	Uniformity at 37°C	Dimensions (W x H x D)		Shelf positions	Shelves included	Power (VAC, Hz)	Shpg wt lb (kg)	Price
				Chamber	Overall					
<b>Analog incubators</b>										
<a href="#">KH-01100-36</a> <a href="#">KH-01100-38</a>	0.5	±1°C	±1.5°C	9½" x 9½" x 9½"	11½" x 15½" x 15½"	3	1	115, 60 230, 50	24 (10.9)	
<a href="#">KH-01100-40</a> <a href="#">KH-01100-42</a>	1.4			13½" x 13½" x 13½"	15¼" x 19½" x 19"	4	2	115, 60 230, 50	36 (16.3)	
<a href="#">KH-01100-44</a> <a href="#">KH-01100-46</a>	2.5			17" x 15" x 17"	19¼" x 21" x 23"	5	2	115, 60 230, 50	48 (21.5)	
<a href="#">KH-01100-48</a> <a href="#">KH-01100-50</a>	5			17" x 30" x 17"	19¼" x 36" x 23"	6	3	115, 60 230, 50	74 (33.6)	
<b>Digital incubators</b>										
<a href="#">KH-01100-20</a> <a href="#">KH-01100-22</a>	0.5	±0.5°C	±0.7°C	9½" x 9½" x 9½"	11½" x 15½" x 15½"	3	1	115, 60 230, 50	24 (10.9)	
<a href="#">KH-01100-24</a> <a href="#">KH-01100-26</a>	1.4			13½" x 13½" x 13½"	15¼" x 19½" x 19"	4	2	115, 60 230, 50	36 (16.3)	
<a href="#">KH-01100-28</a> <a href="#">KH-01100-30</a>	2.5			17" x 15" x 17"	19¼" x 21" x 23"	5	2	115, 60 230, 50	48 (21.5)	
<a href="#">KH-01100-32</a> <a href="#">KH-01100-34</a>	5			17" x 30" x 17"	19¼" x 36" x 23"	6	3	115, 60 230, 50	74 (33.6)	

# IN Incubators

## Gravity-Convection Incubators

**Gravity convection heat—ideal for applications where forced air can't be tolerated**

- Glass interior door lets you view samples without disturbing chamber environment
- Adjustable exhaust port allows you to control the amount of airflow in the chamber

**What's included:** one thermometer (0 to 100°C) and a 7-ft power cord with plug.

### Specifications & Ordering Information

**Temperature range:** 5° above ambient to 65°C **Construction:** stainless steel interior and powder-coated exterior

**Display:** glass thermometer

**Resolution:** ±1°C



39351-00

Catalog number	Capacity (cu ft)	Accuracy	Uniformity	Dimensions (W x H x D)		Shelf positions	Shelves included	Power		Shpg wt lb (kg)	Price	Additional shelves	
				Chamber	Overall			Watts	VAC, Hz			Cat. no.	Price
<a href="#">KH-39351-00</a> <a href="#">KH-39351-05</a>	1.4	±0.5°C	±1.5°C	14" x 13¾" x 12½"	18" x 28" x 14½"	5	2	100	115, 50/60 230, 50/60	82 (37.2)		<a href="#">KH-39352-50</a>	
<a href="#">KH-39351-10</a> <a href="#">KH-39351-15</a>	2.5	±0.3°C	±1.0°C	18½" x 15" x 15½"	24" x 28" x 21½"	6	2	125	115, 50/60 230, 50/60	126 (57.2)		<a href="#">KH-52500-55</a>	
<b>New</b> <a href="#">KH-39351-20</a> <a href="#">KH-39351-22</a>	4.5	±0.3°C	±1.0°C	18½" x 27" x 15½"	24" x 40" x 21½"	10	2	150	115, 50/60 230, 50/60	157 (71.2)		<a href="#">KH-52500-55</a>	

## Digital Mechanical Convection Incubators

**With RS-232 communication interface and software for remote PC control**

- CLS (customer logical safe)—control system thermal safety features
- Fine tune the PID temperature control with auto-tuning feature
- Electronic programmable timer for setting start and stop automatically

**What's included:** RS-232 cable and software, two wired shelves, and 6-ft power cord.

### Specifications & Ordering Information

**Temperature range:** 5° above ambient to 75°C **Display:** LED

**Accuracy at 40°C:** ±0.1°C **Construction:** stainless steel interior and shelves, steel exterior with 0.8-pt powder coating, nonflammable polystyrene insulation

**Uniformity at 40°C:** ±0.4°C

**New**



79510-02

Catalog number	Capacity (cu ft)	Dimensions (W x H x D)		Shelf positions	Shelves included	Power		Shpg wt lb (kg)	Price	Wire shelves		Perforated shelves	
		Chamber	Overall			Watts	VAC, Hz			Cat. No.	Price	Cat. No.	Price
<a href="#">KH-79510-02</a> <a href="#">KH-79510-00</a>	2.1	15¾" x 16½" x 14¼"	23½" x 29¼" x 21¾"	8	2	300	120, 60 240, 50/60	99 (45)		<a href="#">KH-79510-04</a>		<a href="#">KH-79510-06</a>	
<a href="#">KH-79510-10</a> <a href="#">KH-79510-08</a>	3.7	19" x 20½" x 16"	26½" x 33½" x 23¾"	12	2	500	120, 60 240, 50/60	121 (55)		<a href="#">KH-79510-12</a>		<a href="#">KH-79510-14</a>	
<a href="#">KH-79510-18</a> <a href="#">KH-79510-16</a>	5.4	24" x 21¼" x 18"	31½" x 34¾" x 25¾"	12	2	700	120, 60 240, 50/60	137 (62)		<a href="#">KH-79510-20</a>		<a href="#">KH-79510-22</a>	

## Stainless Steel Incubators with Timer

**Built-in timer automatically shuts off incubator—set from one minute to 999 hours**

- Unique raised-rib heating system provides more heating surface area for fast, uniform heating
- Features built-in RS-232 interface and includes necessary software
- Electronic PID control

Colored LEDs indicate incubator status—yellow means heating, green means ready, and red means overtemperature protection is activated. Inner glass door allows clear view of chamber with minimal heat loss.

**What's included:** software, leveling feet, and a 6-ft cord with plug.

### Specifications & Ordering Information

**Temperature range:** 30 to 70°C **Construction:** stainless steel interior and textured stainless steel exterior

**Display:** 3-digit LED, ½"H

**Resolution:** 0.1°C



39101-10

Catalog number	Capacity (cu ft)	Accuracy	Uniformity	Dimensions (W x H x D)		Shelf positions	Shelves included	Power		Shpg wt lb (kg)	Price	Additional shelves	
				Chamber	Overall			Watts	VAC			Cat. no.	Price
<a href="#">KH-39100-10</a> <a href="#">KH-39100-15</a>	1.1	±0.1°C	±0.5°C	15¾" x 12¾" x 9¾"	21¾" x 23¾" x 15¾"	3	1	440	115 230	90 (40.9)		<a href="#">KH-39100-50</a>	
<a href="#">KH-39101-10</a> <a href="#">KH-39101-15</a>	3.8	±0.1°C	±0.5°C	22" x 18¾" x 15¾"	28" x 29¾" x 21¾"	5	2	900	110 220	200 (90.7)		<a href="#">KH-39101-50</a>	

## Laboratory Incubators

### Microprocessor controlled for excellent precision and uniformity

- Built-in calibration capability with NIST-traceable thermometer—order separately below table
- Top vent provides efficient air venting in tight spaces
- Collect data via recorder output (0 to 1 VDC; 10 mV/°C)

These incubators feature built-in overtemperature protection with audible and visual alarms. A rear access port lets you operate auxiliary equipment inside the chamber. Adjustable exhaust port controls the amount of airflow in the chamber. Fully gasketed inner glass door prevents heat loss.

**What's included:** leveling feet and a 7-ft cord with U.S. standard plug (230-VAC models have a European plug).



39352-00

### Specifications & Ordering Information

**Temperature range:** 5° above ambient to 70°C

**Display:** 3-digit LED, 3/4"H

**Resolution:** 0.1°C

**Construction:**

stainless steel interior and powder-coated exterior

Catalog number	Capacity (cu ft)	Accuracy	Uniformity	Dimensions (W x H x D)		Shelf positions	Shelves included	Power		Shpg wt lb (kg)	Price	Additional shelves	
				Chamber	Overall			Watts	VAC, Hz			Cat. no.	Price
<b>Gravity convection incubators</b>													
<a href="#">KH-39352-00</a> <a href="#">KH-39352-05</a>	1.4	±0.5°C	±0.5°C	12½" x 13¾" x 14"	18" x 28" x 19½"	6	2	120	115, 50/60 230, 50/60	95 (43.1)		<a href="#">KH-39352-51</a>	
<a href="#">KH-39352-10</a> <a href="#">KH-39352-15</a>	4.5	±0.5°C	±0.5°C	18½" x 27" x 15½"	24" x 40" x 21½"	12	2	150	115, 50/60 230, 50/60	160 (72.6)		<a href="#">KH-52500-55</a>	
<b>Mechanical convection incubator</b>													
<a href="#">KH-39352-20</a> <a href="#">KH-39352-25</a>	4.5	±0.5°C	±0.25°C	18½" x 27" x 15½"	24" x 40" x 21½"	12	2	225	115, 50/60 230, 50/60	170 (77.2)		<a href="#">KH-52500-55</a>	

[KH-08124-20](#) NIST-traceable glass thermometer, -20 to 110°C, 1°C divisions; in felt-lined case. Measures 6 mm dia x 305 mm L

## StableTemp Mechanical Convection Incubators

### PID microprocessor-based controller delivers excellent temperature uniformity

- Visual alarm signals if temperature exceeds set point by 3°C
- Tempered glass inner door lets you view samples without disturbing the chamber environment

Incubators feature a bright, 3-digit LED that displays actual temperature while heating. Five-amp interior electrical outlet allows use of auxiliary equipment

**What's included:** a 6-ft power cord with plug (120 VAC models have grounded NEMA 5-15P plug; 230 VAC models have a continental European plug).

### Specifications & Ordering Information

**Temperature range:** 5° above ambient to 75°C

**Display:** 3-digit LCD, 5/8"H

**Resolution:** 0.1°C

**Construction:** stainless steel interior and heavy-duty steel/aluminum exterior



2 year warranty



39205-00

Catalog number	Capacity (cu ft)	Accuracy at 37°C	Uniformity at 37°C	Dimensions (W x H x D)		Shelf positions	Shelves included	Power		Shpg wt lb (kg)	Price	Additional shelves	
				Chamber	Overall			Watts	VAC, Hz			Cat. no.	Price
<a href="#">KH-39205-00</a> <a href="#">KH-39205-05</a>	2.2	±0.5°C	±0.3°C	18" x 12½" x 17"	23½" x 26" x 26"	3	1	330	120, 60 230, 50/60	150 (68.0)		<a href="#">KH-39205-50</a>	
<a href="#">KH-39205-10</a> <a href="#">KH-39205-15</a>	3.4	±0.5°C	±0.3°C	18" x 19" x 17"	23½" x 33" x 26"	6	1	330	120, 60 230, 50/60	165 (74.8)		<a href="#">KH-39205-50</a>	
<a href="#">KH-39205-20</a> <a href="#">KH-39205-25</a>	4.5	±0.5°C	±0.3°C	18" x 25½" x 17"	23½" x 39" x 26"	10	2	410	120, 60 230, 50/60	190 (86.2)		<a href="#">KH-39205-50</a>	

# IN Incubators



03610-18

## Radiant Warm-Wall Incubators

**Uniform heat distribution—heat enters from all points on the wall and floor of the incubator**

- Electrical outlets inside the 5.2- and 10.5-cu ft models allow use of auxiliary equipment inside of incubator.
- Tempered glass inner door allows sample inspection without affecting the chamber temperature.
- Thermostat dial is ungraduated; set it at any temperature in increments of 0.1°C (0.2°F).

Overtemperature protection limits power to the heater if internal temperature exceeds set point. Shelves are adjustable on half-inch centers and slide out for easy cleanup.

**What's included:** a 6-ft power cord (120 VAC models have a plug).

### Specifications & Ordering Information

**Temperature range:** 5° above ambient to 65°C  
**Display:** 3-digit LCD, 1/2"H

**Construction:** aluminum interior and fiberglass-insulated body and door  
**Shelf positions:** 36



Models 03610-10 and -12 only

Catalog number	Capacity (cu ft)	Accuracy	Uniformity	Dimensions (W x H x D)		Shelves included	Power		Shpg wt lb (kg)	Price
				Chamber	Overall		Watts	VAC, Hz		
<b>Gravity convection</b>										
<a href="#">KH-03610-10</a> <a href="#">KH-03610-12</a>	2.6	±0.5°C	±1.5°C	13" x 20" x 17"	16" x 29½" x 21"	2	250 155	120, 50/60 240, 50/60	83 (37.7)	
<a href="#">KH-03605-10</a> <a href="#">KH-03605-12</a>	5.2	±0.5°C	±0.8°C	17" x 25" x 21"	20" x 34½" x 25"	3	400	120, 50/60 240, 50/60	130 (59)	
<a href="#">KH-03611-10</a> <a href="#">KH-03611-12</a>	10.5	±0.5°C	±0.4°C	37" x 25" x 21"	40½" x 34½" x 25"	6	600	120, 50/60 240, 50/60	275 (125)	
<b>Mechanical convection</b>										
<a href="#">KH-03610-18</a> <a href="#">KH-03610-22</a>	5.2	±0.5°C	±0.5°C	17" x 25" x 21"	20" x 34½" x 25"	3	400	120, 50/60 240, 50/60	120 (55)	
<a href="#">KH-03610-24</a> <a href="#">KH-03610-26</a>	11.2	±0.5°C	±0.6°C	37" x 25" x 21"	39¾" x 34½" x 25"	6	600	120, 50/60 240, 50/60	215 (98)	

**New**



39551-30

## High-Capacity Incubators

**Ideal for laboratory applications requiring large loading capacities**

Units with double-door option have no center post allowing full utilization of chamber. They also feature inner glass doors for convenient inspection without disturbing the inner chamber environment. The 30-cu-ft model offers walk-in capacity and reach-in convenience. It features internal duplex outlet for powering auxiliary equipment. Available with a solid or glass door.

**What's included:** shelves and a 6-ft power cord for 10-cu-ft models; the 30-cu-ft model requires hardwire installation by a qualified electrician.



### Specifications & Ordering Information

**Temperature range:** ambient +5° to 65°C (70°C for 30-cu-ft models)

**Display:** 20 to 100°C thermometer for 10-cu-ft models; LED for 30-cu-ft models

Catalog number	Capacity (cu ft)	Convection type	Door option	Accuracy	Uniformity at 37°C	Dimensions (W x H x D)		Shelf positions	Shelves included	Power		Shpg wt lb (kg)	Price
						Chamber	Overall			Watts	VAC, Hz		
<a href="#">KH-39351-30</a> <a href="#">KH-39351-32</a>	10	Gravity	Double solid	±0.2°C	±0.5°C	36" x 27" x 18"	42" x 39" x 21"	12	2	300 275	120, 50/60 230, 50/60	230 (104.3)	
<a href="#">KH-39351-34</a> <a href="#">KH-39351-36</a>	10	Mechanical	Double solid	±0.1°C	±0.3°C	36" x 27" x 18"	42" x 39" x 21"	12	4	600 590	120, 50/60 230, 50/60	265 (120.2)	
<a href="#">KH-39351-38</a> <a href="#">KH-39351-40</a>	30	Mechanical	Single solid Single glass	±0.2°C	±0.5°C	30" x 72" x 24"	36" x 88½" x 31½"	48	6	1450 1450	120, 50/60 120, 50/60	685 (310.7)	

### Accessories

[KH-39351-60](#) Additional shelf for 10-cu-ft models

[KH-39351-62](#) Additional shelf for 30-cu-ft models

## Digital Incubating/Refrigerating Shakers

### Unique dual-action shaker lets you select between orbital or reciprocating motions

These digital shakers feature variable 10 to 300 rpm speed control via the user-friendly keypad with push-button controls. Fan circulation ensures excellent temperature uniformity. Brushless DC motor gives long maintenance-free operation. Refrigerated models are CFC-free.

The air spring door and lid guard against sudden closures. Self-diagnostic function identifies any errors and advises correction procedures. Slow start/stop feature minimizes wear and sample damage. Rugged construction permits heavier loads. Floor models ("C") feature a lid with large tempered glass viewing window that allows observation of flask contents and an audible alarm if the door is open for more than one minute.

A wide range of accessories are available below. Universal platform is a predrilled tray which accepts flask, funnel, and rack clamps. Spring wire racks are ideal for mixed sizes of flasks and glassware. Rubber mats are used for low-speed applications and containers with a low center of gravity. Choose flask clamps for flat-bottomed Erlenmeyer type flasks; funnel clamps for separating funnels from 250 to 2000 mL. Test tube racks can fit test tubes having a 8- to 25-mm diameter.

**What's included:** power cord. Floor models ("C") also include RS-232 cable and software.



### Specifications & Ordering Information

**Orbit size:** 1.2"

**Shaking speed:** 10 to 300 rpm ( $\pm 1$  rpm accuracy)

**Temperature accuracy:**  $\pm 0.1^\circ\text{C}$  at  $38^\circ\text{C}$

**Temperature uniformity at  $38^\circ\text{C}$ :**  $\pm 0.5^\circ\text{C}$  for A and B;  
 $\pm 1.0^\circ\text{C}$  for C

**Display:** digital LED

**Timer:** 1 minute to 99 hours 59 minutes

**Construction:** stainless steel interior, powder coating steel exterior, anodized duralumin platform, non flammable polystyrene insulation (model C)

Catalog number	Type	Capacity	Temperature range	Dimensions (W x H x D)			Power (VAC, Hz)	Shpg wt lb (kg)	Price
				Chamber	Platform	Overall			
<b>A</b> Benchtop models with 22-lb (10-kg) maximum load and 14-gallon (53-L) chamber volume									
<a href="#">KH-79510-30</a> <a href="#">KH-79510-32</a>	Heated	4 x 1-L flask, 2 x 2-L flask	5°C above ambient to 60°C	16" x 12¼" x 16"	13" x 13"	17¼" x 24¼" x 29"	230, 50/60	163 (74)	
<a href="#">KH-79510-34</a> <a href="#">KH-79510-36</a> <a href="#">KH-79510-38</a>	Refrigerated		15° to 60°C				120, 50/60	163 (74)	
<b>B</b> Benchtop models with 33-lb (15-kg) maximum load and 22-gallon (83-L) chamber volume									
<a href="#">KH-79510-46</a> <a href="#">KH-79510-48</a>	Heated	7 x 1-L flask, 5 x 2-L flask	5°C above ambient to 60°C	20" x 12½" x 20"	16" x 16"	21½" x 24½" x 33½"	230, 50/60	200 (91)	
<a href="#">KH-79510-50</a> <a href="#">KH-79510-52</a> <a href="#">KH-79510-54</a>	Refrigerated		15° to 60°C				120, 50/60	200 (91)	
<b>C</b> Floor models with 55-lb (25-kg) maximum load and 66-gallon (250-L) chamber volume									
<a href="#">KH-79510-80</a> <a href="#">KH-79510-82</a> <a href="#">KH-79510-84</a> <a href="#">KH-79510-86</a>	Heated	14 x 1-L flask, 9 x 2-L flask	5°C above ambient to 60°C	35" x 17" x 25"	29¾" x 18¾"	49" x 42" x 32"	230, 50/60	395 (180)	
	Refrigerated		4° to 60°C				120, 50/60	395 (180)	

### Accessories

Catalog number	Description	Price
<a href="#">KH-79510-40</a> <a href="#">KH-79510-56</a> <a href="#">KH-79510-88</a>	Universal platform for model A Universal platform for model B Universal platform for model C	
<a href="#">KH-79510-42</a> <a href="#">KH-79510-58</a> <a href="#">KH-79510-90</a>	Spring wire rack for model A Spring wire rack for model B Spring wire rack for model C	
<a href="#">KH-79510-44</a> <a href="#">KH-79510-60</a> <a href="#">KH-79510-92</a>	Rubber mat for model A Rubber mat for model B Rubber mat for model C	

### Clamps for Flat-Bottomed Erlenmeyer Flasks

Catalog number	Flask volume	Price
<a href="#">KH-79510-94</a>	50 mL	
<a href="#">KH-79510-96</a>	100 mL	
<a href="#">KH-79510-98</a>	250 mL	
<a href="#">KH-79511-00</a>	500 mL	
<a href="#">KH-79511-02</a>	1000 mL	
<a href="#">KH-79511-04</a>	2000 mL	

### Clamps for Separating Funnels

Catalog number	Funnel volume	Price
<a href="#">KH-79511-06</a>	250 mL	
<a href="#">KH-79511-08</a>	500 mL	
<a href="#">KH-79511-10</a>	1000 mL	
<a href="#">KH-79511-12</a>	2000 mL	

### Test Tube Racks

Catalog number	Capacity	Price
<a href="#">KH-79511-14</a> <a href="#">KH-79511-16</a>	86 holes, up to 8-mm dia 86 holes, up to 10-mm dia	
<a href="#">KH-79511-18</a> <a href="#">KH-79511-20</a>	58 holes, up to 12-mm dia 58 holes, up to 14-mm dia	
<a href="#">KH-79511-22</a> <a href="#">KH-79511-24</a>	32 holes, up to 16-mm dia 19 holes, up to 25-mm dia	

# IN Incubators

## Compact Air-Jacketed CO<sub>2</sub> Incubators

Exclusive SMARTGAS® system detects and compensates for changes in CO<sub>2</sub> concentration

- Tempered glass display door permits sample viewing.

Compact, air-jacketed CO<sub>2</sub> chambers are ideal for cell, tissue, and plant cultures when space is limited in your laboratory. Choose between flo-thru and automatic incubators.

**Flo-Thru CO<sub>2</sub> Incubator** features an independent flowmeter to control air and CO<sub>2</sub> tension, an adjustable hydraulic thermostat, an LED temperature display, and a front control panel access port that permits sampling of the chamber atmosphere. A second overtemperature limit thermostat regulates chamber temperature.

**Automatic CO<sub>2</sub> Incubator** has LED displays for temperature and CO<sub>2</sub> concentration monitored by a thermal conductivity sensor. Incubators have a nonvolatile memory, soft-touch keypad, and temperature adjustable heated door to keep inner glass door free of condensation. Audible and visual alarms indicate temperature deviations or when incubator door has been left ajar. An independent hydraulic high limit thermostat protects cultures in the event of overtemperature conditions.

**What's included:** an 8-ft cord with U.S. standard plug on 120 VAC models (European plug on 240 VAC models).



Automatic CO<sub>2</sub> incubator 39310-10

### Specifications & Ordering Information

<b>CO<sub>2</sub></b> Range: 0 to 20% Accuracy: ±0.1%	<b>Temperature range:</b> 5° above ambient to 60°C <b>Display:</b> LED	<b>Construction:</b> stainless steel interior; powder-coat painted stainless steel exterior
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Catalog number	Capacity (cu ft)	Accuracy	Temperature uniformity	Dimensions (W x H x D)		Shelf positions	Shelves included	Power		Shpg wt lb (kg)	Price	Additional shelves	
				Chamber	Overall			Watts	VAC, Hz			Cat. no.	Price
<b>Flo-Thru CO<sub>2</sub> incubator</b>													
<a href="#">KH-39310-00</a> <a href="#">KH-39310-05</a>	1.2	±0.5°C	±1.0°C	14" x 12" x 12"	23½" x 15" x 17"	5	2	200	120, 50/60 240, 50/60	70 (31.8)		<a href="#">KH-39310-50</a>	
<b>Automatic CO<sub>2</sub> incubator</b>													
<a href="#">KH-39310-10</a> <a href="#">KH-39310-15</a>	1.2	±0.1°C	±0.25°C	14" x 12" x 12"	22½" x 19" x 18"	5	2	200	120, 50/60 240, 50/60	70 (31.8)		<a href="#">KH-39310-50</a>	

## Air-Jacketed CO<sub>2</sub> Incubators

SMARTGAS® system detects and compensates for changes in CO<sub>2</sub> concentration

- Install optional HEPA filter to ensure aseptic cell cultures

These air-jacketed CO<sub>2</sub> incubators feature temperature adjustable heated doors to prevent condensation for better viewing of cultures. Independent hydraulic high-limit thermostat protects cultures in case of system failure. The LED display scans between actual temperature and % CO<sub>2</sub> level. The built-in RS-232 port allows you to download temperature and CO<sub>2</sub> data to your PC or recorder.

Set points are password protected. Audible and visual alarms indicate temperature and

CO<sub>2</sub> deviations or when incubator door has been left ajar. Corrosion-resistant polished stainless steel chamber has rounded corners for easy cleaning.

Select between thermal conductivity (TC) and infrared (IR) sensor CO<sub>2</sub> incubators. The TC sensor CO<sub>2</sub> incubators include a decontamination cycle.

**What's included:** five stainless steel shelves and an 8-ft power cord (120 VAC models have a U.S. standard plug; 240 VAC models have a European plug. Order additional shelves and optional HEPA filter below.

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See our "Air/Gas Analysis" section for CO<sub>2</sub> analyzers and recorders.



39310-30

### Specifications & Ordering Information

<b>CO<sub>2</sub></b> Range: 0 to 20% Accuracy: ±0.1%	<b>Temperature range</b> TC sensor: 5° above ambient to 60°C IR sensor: 5° above ambient to 55°C	<b>Display:</b> LED <b>Construction:</b> stainless steel interior; powder-coat painted stainless steel exterior
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Catalog number	Capacity (cu ft)	Accuracy	Temperature uniformity	Dimensions (W x H x D)		Shelf positions	Shelves included	Power		Shpg wt lb (kg)	Price	Additional shelves	
				Chamber	Overall			Watts	VAC, Hz			Cat. no.	Price
<b>Thermal conductivity (TC) sensor CO<sub>2</sub> incubator</b>													
<a href="#">KH-39310-20</a> <a href="#">KH-39310-25</a>	6.2	±0.1°C	±0.25°C	22" x 22" x 22"	24½" x 33" x 25"	13	5	850	120, 50/60 240, 50/60	245 (111)		<a href="#">KH-39310-55</a>	
<b>Infrared (IR) sensor CO<sub>2</sub> incubator</b>													
<a href="#">KH-39310-30</a> <a href="#">KH-39310-35</a>	6.2	±0.1°C	±0.25°C	22" x 22" x 22"	24½" x 33" x 25"	13	5	850	120, 50/60 240, 50/60	245 (111)		<a href="#">KH-39310-55</a>	

[KH-39310-60](#) Optional HEPA filter

## Large-Capacity Air-Jacketed CO<sub>2</sub> Incubators

New



03610-40



### Thermal conductivity (TC) sensor for constant temperature and humidity applications

- Exclusive SMARTGAS® system for accurate CO<sub>2</sub> control
- Security password protection of set points
- Homogeneous, vertical-flow air circulation system eliminates chamber stratification

These incubators feature accurate microprocessor control of temperature and CO<sub>2</sub> concentration. Audible alarm notifies user of temperature deviations  $\pm 1^\circ\text{C}$  and CO<sub>2</sub> deviations greater than 1% from set point, excluding deviations due to door openings. CO<sub>2</sub> concentration ranges from 0 to 20% with  $\pm 0.1\%$  control as monitored by a thermal conductivity sensor.

The 28-cu-ft model has a full-size, double-pane glass door with heated inner pane to eliminate condensation and facilitate culture viewing. The 34 cu ft model provides built-in humidity control with  $\pm 3\%$  accuracy from 20% above ambient to 98%.

**What's included:** five stainless steel shelves and gas filter interface assembly.

### Specifications & Ordering Information

**CO<sub>2</sub> range:** 0 to 20% with  $\pm 0.1\%$  control

**Temperature range:** 5° above ambient to 60°C

**Construction:** corrosion-resistand aluminum chamber and steel exterior with durable powder-coat paint

Catalog number	Capacity (cu ft)	Temperature control	Temperature uniformity	Dimensions (W x H x D)		Shelves included	Power		Shpg wt lb (kg)	Price
				Chamber	Overall		Watts	VAC, Hz		
KH-03610-44 KH-03610-46	28	$\pm 0.1^\circ\text{C}$	$\pm 0.5^\circ\text{C}$	28½" x 63½" x 33½"	33½" x 76½" x 28¾"	5	1400	120, 50/60 240, 50/60	900 (408)	
KH-03610-40 KH-03610-42	34	$\pm 0.1^\circ\text{C}$	$\pm 0.25^\circ\text{C}$	36" x 65" x 25"	42" x 91" x 35"	5	1400	120, 50/60 240, 50/60	1020 (463)	

## Water-Jacketed CO<sub>2</sub> Incubators

### Exclusive SMAERFAS® system for accurate CO<sub>2</sub> control

- TC sensor for constant temperature and humidity applications
- IR sensor for changing temperature and humidity conditions
- Password protection of set points avoids unintended changes

These incubators feature a temperature-adjustable heated door—keeps inner glass door free of condensation for improved viewing of cultures. Audible and visual alarms indicate temperature deviations of  $\pm 1^\circ\text{C}$  or more, CO<sub>2</sub> concentration deviations of 1% or greater, or when incubator door has been left open for more than five minutes. CO<sub>2</sub> recovery time to 5% CO<sub>2</sub> (98% of set value) after a 30-second door opening at 37°C is seven minutes. Built-in RS-232 port can be used to transfer temperature and CO<sub>2</sub> data to a printer. Easy-to-read LED display scans between actual temperature and % CO<sub>2</sub> level. Use keypad to program fast and easy adjustment of parameters.

Select between thermal conductivity (TC) or infrared (IR) sensor CO<sub>2</sub> incubators. Optional HEPA filter (99.97% efficient at 0.5 microns) can be easily installed to ensure aseptic cell culture.

**What's included:** five stainless steel shelves and gas filter interface assembly.

### Specifications & Ordering Information

**CO<sub>2</sub> range:** 0 to 20% with  $\pm 0.1\%$  control

**Temperature control:**  $\pm 0.1^\circ\text{C}$

**Temperature uniformity:**  $\pm 0.25^\circ\text{C}$

**Construction:** corrosion-resistand aluminum chamber and steel exterior with durable powder-coat paint

Catalog number	Capacity (cu ft)	Sensor type	Temperature range	Dimensions (W x H x D)		Shelves included	Power		Shpg wt lb (kg)	Price
				Chamber	Overall		Watts	VAC, Hz		
KH-03610-30 KH-03610-32	6.2	TC	5° above ambient to 60°C	22" x 22" x 22"	27½" x 34" x 26¾"	5	750	120, 50/60 240, 50/60	230 (104)	
KH-03610-34 KH-03610-36	6.2	IR	5° above ambient to 55°C	22" x 22" x 22"	27½" x 34" x 26¾"	5	750	120, 50/60 240, 50/60	230 (104)	

KH-39310-60 Optional HEPA filter



03610-30

### Technical info

CO<sub>2</sub> incubators are available with either thermal conductivity (TC) or infrared (IR) CO<sub>2</sub> sensors. Both respond quickly to changes in CO<sub>2</sub> levels and help provide excellent CO<sub>2</sub> control. The TC sensor is recommended for applications in which chamber temperature and humidity are relatively constant; the IR sensor is more suitable for applications where temperature and humidity levels are frequently changes.



# IN Incubators

## Water-Jacked CO<sub>2</sub> Incubators

Generate humidity levels as high as 98%

- Audio/visual deviation alarms
- Over-temperature protection
- Low-water indicators

These stackable microprocessor-controlled incubators return to set point conditions up to three times faster after a door opening than conventional water-jacked incubators—promoting faster and more productive cell growth. Built-in 0.22- $\mu$  filter cleanses contaminants from your gas supplies. Crevice-free corners help ensure more complete chamber decontamination. Password protection prevents inadvertent changes in programmed settings.

Choose TC sensor for applications in which chamber temperature and humidity are relatively constant. The IR sensor is more suitable for applications where temperature and humidity levels are frequently changing.

**New**



39351-50



### Specifications & Ordering Information

CO<sub>2</sub> range: 0 to 20% with  $\pm 0.1\%$  control

Temperature stability:  $\pm 0.1^\circ\text{C}$

Temperature control: 0.1%

Temperature uniformity:  $\pm 0.25^\circ\text{C}$

Catalog number	Capacity (cu ft)	Sensor type	Temperature range	Dimensions (W x H x D)		Shelf positions	Shelves included	Power		Shpg wt lb (kg)	Price
				Chamber	Overall			Watts	VAC, Hz		
<a href="#">KH-39351-50</a> <a href="#">KH-39351-52</a>	5.4	TC	5° above ambient to 50°C	17½" x 25" x 17½"	24½" x 33¾" x 27"	10	5	475	120, 50/60 230, 50/60	255 (115)	
<a href="#">KH-39351-54</a> <a href="#">KH-39351-56</a>	5.4	IR	5° above ambient to 50°C	17½" x 25" x 17½"	24½" x 33¾" x 27"	10	5	475	120, 50/60 230, 50/60	255 (115)	

[KH-39351-64](#) Clean start kit includes HEPA gas filters, replacements for all difficult-to-clean parts, fan impellers, hose clamp, tubing, and gaskets

[KH-39351-66](#) Water jacket filler hose assembly; 8-ft polypropylene hose simplifiers filling, draining, and topping off

## Cole-Parmer Chilling Incubators

Built-in RS-232 lets you interface with your computer

- Unique energy-efficient Peltier solid-state heating and chilling element eliminates the need for refrigerants and CFC
- Clear plastic inner door allows you to view your samples while maintaining chamber environment.

Peltier-based element heats and chills with precise control even at sub-ambient temperatures—ideal for forced degradation of antibiotics, protein crystal growth, and applications that require ambient temperature control. Incubators feature a user-selectable timer (up to 99 hr, 99 min) with audible alarm and auto-off function. Programmable models store up to three programs of up to ten steps each. After any step you can repeat the prior steps up to nine times. The two-line alphanumeric display has 16 characters per line. Use the built-in RS-232 to connect to a computer.

**What's included:** a 7-ft cord with three-prong plug.



39050-20

### Specifications & Ordering Information



Temperature range: 4 to 70°C

Construction: seamless ABS plastic interior and painted metal and ABS plastic exterior

Display: 3-digit LCD

Resolution: 0.1°C

Catalog number	Capacity (cu ft)	Accuracy	Uniformity	Dimensions (W x H x D)		Shelf positions	Shelves included	Power		Shpg wt lb (kg)	Price
				Chamber	Overall			Watts	VAC, Hz		
<b>Nonprogrammable chilling incubators</b>											
<a href="#">KH-39050-20</a> <a href="#">KH-39050-25</a>	1	$\pm 0.2^\circ\text{C}$	$\pm 0.5^\circ\text{C}$	14" x 12" x 10"	22¼" x 15½" x 18½"	4	2	300	115, 50/60 230, 50/60	49 (22.3)	
<a href="#">KH-39050-40</a> <a href="#">KH-39050-45</a>	2	$\pm 0.2^\circ\text{C}$	$\pm 0.5^\circ\text{C}$	14" x 24" x 10"	22¼" x 28¼" x 18½"	6	4	300	115, 50/60 230, 50/60	65 (29.5)	
<b>Programmable chilling incubators</b>											
<a href="#">KH-39050-30</a> <a href="#">KH-39050-35</a>	1	$\pm 0.2^\circ\text{C}$	$\pm 0.5^\circ\text{C}$	14" x 12" x 10"	22¼" x 15½" x 18½"	4	2	300	115, 50/60 230, 50/60	49 (22.3)	
<a href="#">KH-39050-60</a> <a href="#">KH-39050-65</a>	2	$\pm 0.2^\circ\text{C}$	$\pm 0.5^\circ\text{C}$	14" x 24" x 10"	22¼" x 28¼" x 18½"	6	4	300	115, 50/60 230, 50/60	65 (29.5)	

## Portable Benchtop Chilling Incubator

### Compact, portable, and stackable

- Stackable, compact design saves bench space
- Optional carrying strap and car adapter for easy transporting of samples

This chilling incubator is perfect for laboratory or field use. The compact design will not take up a lot of bench space. Optional carrying strap and 12 VDC cigarette lighter adapter allow you control sample temperatures while in the field and during transport. Unit features large three-digit display and simple two-button operation. Digital microcomputer provides display accuracy and temperature uniformity. Solid-state Peltier module provides either heating or cooling functions. A brushless DC computerized fan ensures thousands of hours of quiet and vibration-free operation. Urethane foam insulation and rubber door gasket help to maintain uniform temperatures. Rugged cabinet resists dents, cracks, and chemical attack.

**What's included:** two removable metal shelves with plastic liners and 100 to 240 VAC power supply.




39064-20

### Specification & Ordering Information

Temperature range: 5 to 65°C      Display: 3-digit LED      Resolution: 0.1°C

Catalog number	Capacity (cu ft)	Accuracy	Temperature uniformity	Dimensions (W x H x D)		Shelf positions	Shelves included	Watts	Power (VAC, Hz)	Shpg wt lb (kg)	Price
				Chamber	Overall						
KH-39064-20	0.67	±0.5°C	±0.5°C	12.5" x 7.5" x 12.5"	14.5" x 11" x 19"	2	2	65	100 to 240, 50/60	20 (9.1)	-

**KH-39064-22** Accessory kit contains 12 VDC car adapter and carrying strap

## Cole-Parmer Translucent Chilling Incubator

### An ideal choice for either lab or field use

- Easily view samples through the translucent acrylic casing
- Energy-efficient Peltier solid-state element; no CFC's or compressors
- Proportional-integral-derivative (PID) control maintains constant temperature.

Convection fan circulates the air and ensures uniform temperature throughout. Digital display and control shows target and actual temperatures. Built-in datalogger stores up to 8110 data points—set recording interval to 1 second, 1 minute, or 5 minutes.

User-selectable timer (1 second to 30 days) has an auto-off function. Incubator uses 12 VDC at 0.5 amps; provided by an external power supply (included) which takes 90 to 260 VAC. Six shelves hold up to 12 assay plates and have holes for 192 (0.2-mL) PCR tubes in eight or 12 tube strips, 80 (0.5-mL) tubes, 60 (1.5-mL) tubes.

**What's included:** A 12 VDC power supply and stand (holds removed shelf for loading).



Remove a shelf and insert it into the stand (included) for convenient loading.



39050-70

### Specifications & Ordering Information

Temperature range: 10 to 50°C

Resolution: 0.1°C

Control type: PID

Display: two-line backlit alphanumeric



Catalog number	Capacity (cu ft)	Accuracy	Uniformity	Dimensions (W x H x D)		Shelf positions	Shelves included	Power		Shpg wt lb (kg)	Price
				Chamber	Overall			Watts	VAC, Hz		
KH-39050-70 KH-39050-75	0.38	±0.2°C	±0.5°C	6" x 12½" x 8"	8" x 18" x 14"	6	6	50	115, 50/60 230, 50/60	23 (10.4)	-

# IN Incubators

## StableTemp Undercounter BOD Incubator

### Incubator holds up to 114 BOD bottles

- Microprocessor-based controller is conveniently mounted on the door for easy access
- Chamber interior features a two-amp outlet for auxiliary equipment

Incubator includes a chamber safety thermostat set at 62°C. Digital LED display clearly shows temperature readings and alarm indicator. The LED alarm alerts you to over/under temperature conditions. Compressor is protected from accidental overload by a relay. Bottom rollers make installation, leveling, and moving simple.

**What's included:** chamber safety thermostat, 2 A outlet in the chamber, RTD temperature probe, compressor relay, and 8-ft power cord with U.S. standard plug.



Digital display shows temperature readings and active alarm.



39063-00

### Specifications & Ordering Information

**Temperature range:** -10 to 60°C

**Construction:** white plastic interior, white enameled steel exterior with foamed polyurethane insulation

**Control type:** microprocessor

**Display:** LED

**Resolution:** 0.1°C



**2** year warranty

Catalog number	Capacity (cu ft)	Accuracy	Temperature uniformity	Dimensions (W x H x D)		Shelves included	Power		Shpg wt lb (kg)	Price
				Chamber	Overall		VAC, Hz	Amps		
KH-39063-00 KH-39063-05	6.1	±0.2°C	±1°C	21" x 28½" x 20½"	24" x 34½" x 24½"	Two removable; three molded in door	115, 60 230, 50	6 4	126 (57.0)	

**GO to page(s) 1026 to 1045**

See our "Oxygen" section for BOD bottles, racks, and microbe capsules.



## StableTemp BOD Incubator

### Door-mounted controller lets you easily set parameters

- Two-amp outlet in chamber for your auxiliary equipment
- Excellent for a wide range of applications, including vaccine storage, fermentation studies, drug stability tests, and entomological incubations

The door-mounted, microprocessor-based controller with LED display shows set point temperature and actual temperature to within 0.1°C. A safety relay and visual alarm LED alert you to an over- or under-temperature condition. Continuous duty circulating fan ensures temperature uniformity of ±0.5°C. The heater and nonsparking fan are completely shielded, preventing injury from accidental contact.

Two adjustable front feet allow easy installation and leveling. Magnetic gasket ensures closure; lock and key gives you added security. Condenser coils are built into the walls, distributing antifrost warmth to sides, top, and back of cabinet.

**What's included:** a 2 A outlet in the chamber; interior light activated via door switch; power switch inside chamber; exterior pilot lamp; and 8-ft cord with standard three-prong plug.



**2** year warranty

### Specifications & Ordering Information

**Control type:** microprocessor

**Construction:** enameled steel exterior with white ABS plastic interior

**Resolution:** 0.1°C

Catalog number	Capacity (cu ft)	Temperature range	Temperature uniformity	Chart recorder	Overall dimensions (W x H x D)	Shelves included	Power		Shpg wt lb (kg)	Price
							VAC, Hz	Amps		
KH-39062-00	20.3	-10° to 60°C	±0.5°C	No	32" x 70" x 28½"	Five removable chrome; one storage basket; six molded shelves on door liner	115, 60	8.9	283 (128)	
<b>New</b> KH-39062-02 KH-39062-04	30.4	-15° to 50°C	±1.0°C	No Yes	35" x 74" x 33"	Four adjustable wire shelves; one removable trivet	115, 60	15	360 (163)	



39062-00

## BOD Incubators

### Illuminated incubator is ideal for plant tissue growth or pathology studies

- Fully gasketed door with key lock provides safety and temperature stability
- Ideal for BOD and COD determinations, cell and bacterial cultures, and other applications requiring controlled temperature below and above ambient

Incubators have mechanical convection and feature a microprocessor control that provides high and low limit protection set points and front panel calibration. Use the RS-232 to connect to a computer.

**Standard Incubator** has instructions printed right on the front control panel to help you easily set the temperature protection limits.

**Illuminated Incubator** is perfect for plant tissue growth or plant pathology studies. Timer allows you to create as many as two heat/light cycles each day for seven days.

**What's included:** recorder jacks and an 8-ft power cord with three-prong plug. Illuminated models have two 48" fluorescent lamps that provide over 300 footcandles of uniform light.



Illuminated incubator  
39350-10

### Specifications & Ordering Information

#### Temperature range

Standard models: -10 to 50°C

Illuminated models: -10 to 50°C (with lights off);  
10 to 50°C (with lights on)

**Display:** 3½ digit LED, ¾" H

**Resolution:** 0.1°C

**Construction:** porcelain steel interior  
and epoxy-powder coated exterior



Catalog number	Capacity (cu ft)	Accuracy	Temperature uniformity*	Dimensions (W x H x D)		Shelf positions	Shelves included	Power		Shpg wt lb (kg)	Price
				Chamber	Overall			Watts	VAC, Hz		
<b>Standard BOD incubators</b>											
KH-39350-00 KH-39350-05	20.0	±0.1°C	±0.9°C at -10°C; ±0.5°C at 20°C; ±0.6°C at 50°C	26½" x 57" x 20"	27½" x 75" x 26"	6	6	800	115, 60 230, 50/60	315 (143)	
<b>Illuminated BOD incubators</b>											
KH-39350-10 KH-39350-15	17.8	±0.2°C	±2.0°C at -10°C; ±0.6°C at 20°C; ±0.5°C at 50°C	26½" x 57" x 20"	27½" x 75" x 26"	6	6	800	115, 60 230, 50/60	315 (143)	

\*Uniformity listed is without illumination.

## BOD Incubators

### Refrigerated incubation and freezing capabilities in one unit!

- Worry-free automatic defrost on 20.0-cu ft units maintains optimum cooling capacity
- These BOD incubators with forced-air circulation include both heating and refrigeration systems

**Nonprogrammable Models** feature a microprocessor-based controller with digital temperature display and key-operated on/off switch. Choose between a 6.1-cu ft model with manual defrost or a 20.0-cu ft model with automatic defrost.

**Programmable Model** features a solid-state temperature controller and a two-channel, seven-day timer that can be set in two-hour increments to accommodate even the most demanding protocol. Audible and visual alarms alert you to overtemperature and a visual alarm alerts you to under-temperature conditions. Keyed door lock provides added security.

**What's included:** remote alarm contacts for connection to remote monitoring system. The 20.0-cu ft models also include a basket.



Nonprogrammable  
20.0-cu ft incubator  
44187-20

Nonprogrammable  
6.1-cu ft incubator  
44187-10

Programmable  
20.0-cu ft incubator  
44187-00

### Specifications & Ordering Information

#### Temperature range

Model 44187-10: 0 to 50°C

Model 44187-20: -20 to 60°C

Model 44187-00: -20°C fixed or 0 to 60°C

#### BOD bottle capacity

Model 44187-10: 92

Models 44187-20 and -00: 400+

**Construction:** CFC-free urethane-insulated cabinet with corrosion-resistant ABS seamless interior

**Accuracy:** ±1°C

**Display:** 3-digit LED

Catalog number	Capacity (cu ft)	Accuracy	Temperature uniformity	Defrost type	Dimensions (W x H x D)		Shelf positions	Shelves included	Power		Shpg wt lb (kg)	Price
					Chamber	Overall			Watts	VAC, Hz		
<b>Nonprogrammable BOD refrigerated incubators</b>												
KH-44187-10 KH-44187-20	6.1 20.0	±1°C ±1°C	±0.5°C ±0.5°C	Manual Automatic	21" x 28" x 21" 28" x 56" x 22"	24" x 35¼" x 25½" 33" x 70" x 29"	2 4	3 adjustable 4 fixed	334 1219	115, 60 115, 60	115 (52) 300 (136)	
<b>Programmable BOD refrigerated incubator</b>												
KH-44187-00	20.0	±1°C	±0.5°C	Automatic	28" x 56" x 22"	33" x 72½" x 29"	4	4 fixed	1219	115, 60	300 (136)	