

# Standard Features

- Powder-Coated Exterior Paint
- High-Grade Aluminum Interior
- Illuminated Power Switch
- Thermal and Electronic Safety Shutoff
- Resistive-Tubular Incoloy Heating Elements
- Powerful Blower (AE series)

## Your Choice!

Analog or Digital Temperature Controls  
High-Optic Acrylic or Insulated Steel Door





### **See-Through Acrylic (140 Series)**

Keep a close eye on your samples with our incubator's see-through acrylic door—perfect for uninterrupted monitoring and optimal transparency.

**The Model '140' Incubator acrylic door is not suitable for applications introducing high moisture, products containing ammonia or alcohol derivatives, certain oils, commercial cleansers, urine, or any harsh chemicals/constituents.**

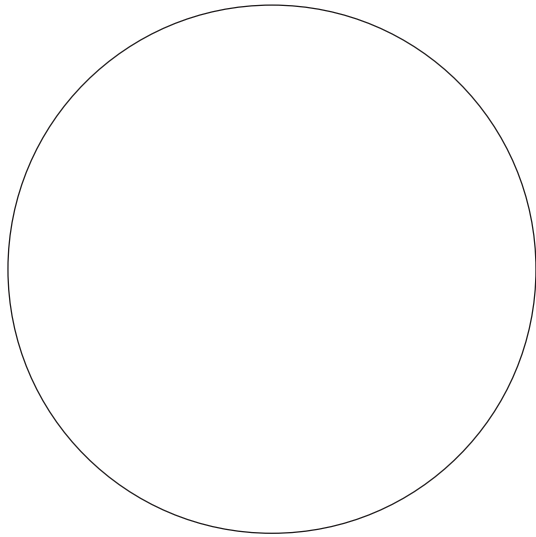


### **Insulated Steel Door (180 Series)**

Ensure optimal performance in high-temperature applications with our incubator's insulated steel door (aluminum interior), crafted for maximum temperature control and superior sample safety. This "180" series steel door is recommended for applications that introduce high moisture or chemicals to the incubators.



# Temperature Controls



## Bi-metal Thermostat

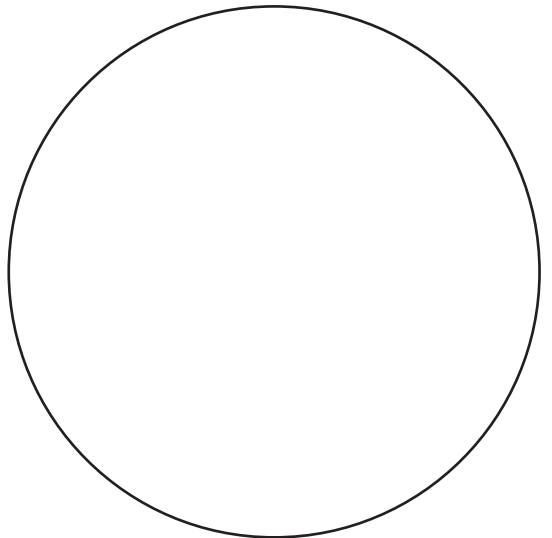
Our reliable, cost-effective thermostats recover temperature quickly after loading and unloading contents, allowing you to continue building, testing, and working without limitations.



## Standard Digital Controller

Our standard digital controller features advanced performance capabilities for the most complex and critical applications.

With a simple yet powerful interface that is easy to understand, this controller gives you ease of use and high-level accuracy.



# Safety & Protection



## Electrical In-line Fuse

A vital safety mechanism in our incubators, the in-line fuse automatically cuts off power in case of electrical surges or malfunctions, ensuring peace of mind and safeguarding against potential hazards.



## Digital Controller High-limit Alarm

In addition to the standard in-line fuse protection, our digital incubators have another layer of protection within the controller: a high-limit alarm that shuts off the heating elements in the event of an over-temperature condition.

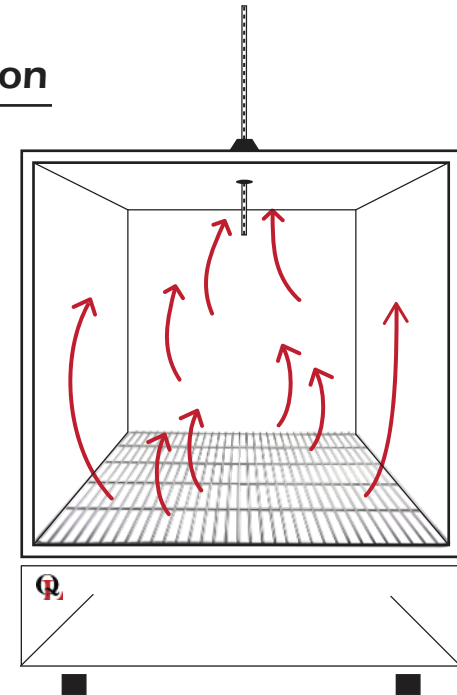


# Heat Distribution

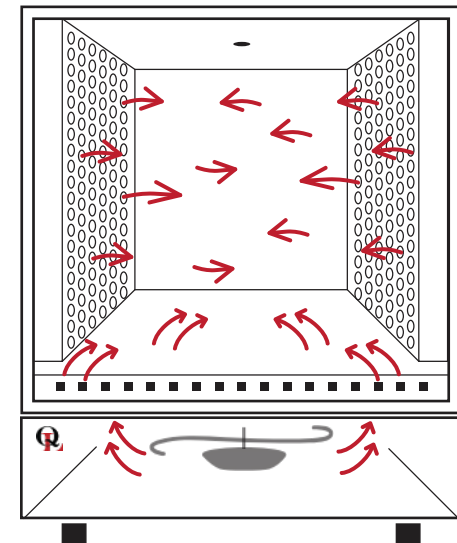
Single and dual element coils at the bottom of our incubators generate the right amount of heat that, by the process of gravity convection, provides you with gentle and uniform heating for your parts.

Additionally, our air-forced convection incubators significantly increase the rate of heat transfer by circulating heated air in the chamber, allowing for better control over temperature gradients and more precise heat-exchange processes.

## Gravity Convection



## Air-Forced





# Shelves

To ensure uniform heat distribution with long-lasting durability, we use nickel-plated, chemical resistant, heavy gauge wire shelves that allow hot air to circulate around the chamber contents.



Our high-quality Aluminum Perforated Shelf enhances the functionality of our AE series incubators. Lightweight yet durable, with uniformly spaced cross-shaped perforations, it ensures optimal air circulation and stable support for your samples.



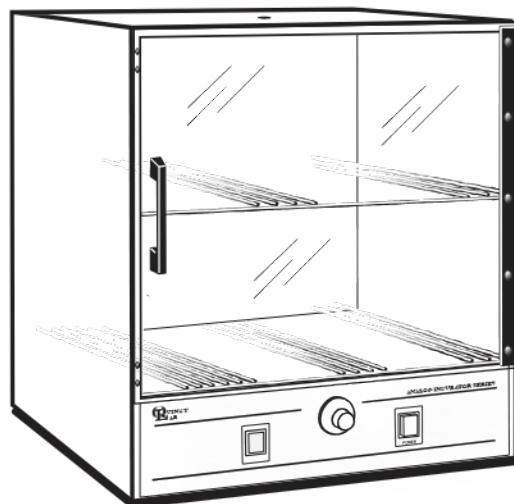
# Model Selection

Available in multiple sizes and different temperature ranges to fit your needs.

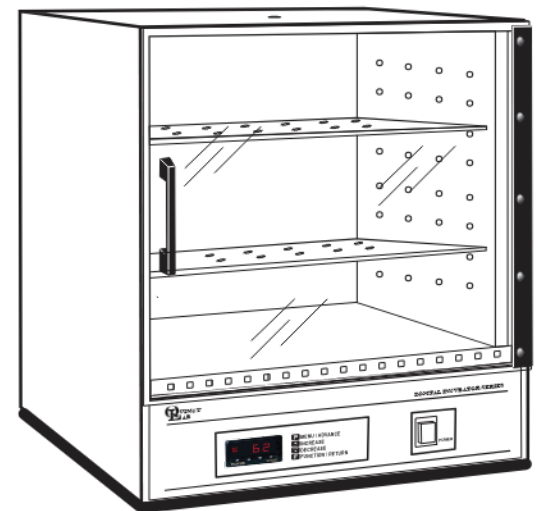
Choose from the reliable quick-sensing thermostat or the user-friendly, feature rich digital microprocessor.



Digital



Analog



Air Forced



# Digital Incubator

## Gravity Convection



### 140E Series, Digital Gravity Convection

#### Clear Acrylic Door

#### Models

► 10-140E    ► 12-140E

#### Capacity

10-140E: 0.7 Cubic Feet / 20 Liters

12-140E: 2.0 Cubic Feet / 57 Liters

#### Temperature Range

140E Series:

Ambient +2°C minimum, to a maximum of 62°C (143°F).

| Includes one fixed and one adjustable nickel plated wire shelf.



### 180E Series, Digital Gravity Convection

#### Solid Steel Door

#### Models

► 10-180E    ► 12-180E

#### Capacity

10-180E: 0.7 Cubic Feet / 20 Liters

12-180E: 2.0 Cubic Feet / 57 Liters

#### Temperature Range

180E Series:

Ambient +3°C minimum, to a maximum of 93°C (200°F).

| Includes one fixed and one adjustable nickel plated wire shelf.



**2 Year**  
Warranty  
Parts & Labor

**3 Year**  
Warranty  
Heating Elements

Models are available in optional 230 volts.



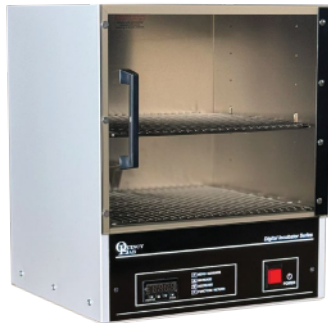


# Specifications Digital Incubator Series

## Temperature Range

Models 140E: Ambient +2°C to 62°C (143°F)

Models 180E: Ambient +3°C to 93°C (200°F)



**10-140E**

**0.7 Cubic Feet**

### **Interior Dimensions**

12"W X 10"H X 10"D  
(30.5 cm X 25.4 cm X 25.4cm)

### **Exterior Dimensions**

13"W x 15"H x 11"D  
(33cm X 38.0cm X 28cm)

### **Interior Construction**

High Grade Aluminum

### **Exterior Construction**

Powder Coated Steel; Dove Grey (Ivory)

### **Thermo-Control**

Digital PID Microprocessor

### **Door**

High Optic Acrylic (Bronze)

### **Electrical**

\*115 Volts , Single Phase  
110 Watts / 50/60Hz.



**12-140E**

**2.0 Cubic Feet**

### **Interior Dimensions**

18"W X 16"H X 12"D  
(45.7 cm X 40.6 cm X 30.5cm)

### **Exterior Dimensions**

19"W x 21"H x 13"D  
(48.3cm X 53.3cm X 33.0cm)

### **Interior Construction**

High Grade Aluminum

### **Exterior Construction**

Powder Coated Steel; Dove Grey (Ivory)

### **Thermo-Control**

Digital PID Microprocessor

### **Door**

High Optic Acrylic (Bronze)

### **Electrical**

\*115 Volts , Single Phase  
235 Watts / 50/60Hz.



**10-180E**

**0.7 Cubic Feet**

### **Interior Dimensions**

12"W X 10"H X 10"D  
(30.5 cm X 25.4 cm X 25.4cm)

### **Exterior Dimensions**

13"W x 15"H x 11"D  
(33cm X 38.0cm X 28cm)

### **Interior Construction**

High Grade Aluminum

### **Exterior Construction**

Powder Coated Steel; Dove Grey (Ivory)

### **Thermo-Control**

Digital PID Microprocessor

### **Door**

Solid Insulated Steel (Ivory)

### **Electrical**

\*115 Volts , Single Phase  
270 Watts / 50/60Hz.



**12-180E**

**2.0 Cubic Feet**

### **Interior Dimensions**

18"W X 16"H X 12"D  
(45.7 cm X 40.6 cm X 30.5cm)

### **Exterior Dimensions**

19"W x 21"H x 13"D  
(48.3cm X 53.3cm X 33.0cm)

### **Interior Construction**

High Grade Aluminum

### **Exterior Construction**

Powder Coated Steel; Dove Grey (Ivory)

### **Thermo-Control**

Digital PID Microprocessor

### **Door**

Solid Insulated Steel (Ivory)

### **Electrical**

\*115 Volts , Single Phase  
385 Watts / 50/60Hz.

\*Standard models voltage only, 230 Voltage available

# Options



## **Ramp and Soak Controller**

With five ramp and soak programs and a countdown timer, our digital controller is the most accurate, convenient, and reliable way to control your environment.



## **Auto Shut-Off Timer**

This timer is installed at our factory and allows you to easily program your oven to automatically shut off after longer heating applications.



## **Programmable 7 Day ON/OFF**

Our seven-day timer is factory installed and allows you to conveniently set your oven to automatically turn on and off every day, giving you the proper heat when you need it most.

## Options



### Access Porthole

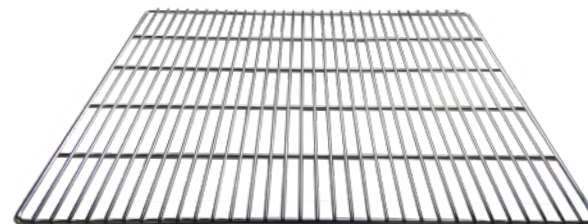
Insert pipes, wiring, or other components into the chamber through a custom access hole.

## Accessories



### TempAssure Chamber Monitor

Calibrate chambers and monitor internal temperatures with ease.



### Additional Shelves

Enhance your incubator's versatility with this additional shelf to maximize space and accommodate more samples or specimens with ease.

