

# OPERATING INSTRUCTIONS

## Infrared Heater No. 32032

### 1. Introduction

The Infrared Heater (32032) is used to heat cylindrical bodies made of metal, ceramic, or glass evenly and safely. It is the ideal heat source for the glass mantle associated with the 32031 Standard Glass Mantle System.

### 2. Description

The apparatus consists of a radiant heat element measuring 122mm x 60mm with two coils, both of which are embedded in ceramic. The heating element is curved lengthwise to wrap around the cylindrical glass mantle or similar bodies. A metallic reflector is located under the heating element; two supports, one at each end, support the bodies being heated. These bodies must be at least 130mm long for use with this apparatus, and should be at least 36mm in diameter.

The heater, reflector, and the two supports form a single unit. It is mounted on a metal base with non-slip rubber feet. An on-off switch on the base controls the unit. The apparatus comes with a 1.5m-long power cord and plug.

### 3. Specifications

Power consumption	500 W
Surface temperature of ceramic heater	500°C max.
Heating of housing during operation	35°C max.
Size of bodies which can be used:	
Minimum length	130mm
Diameter	36-100mm
Maximum mass	2kg
Voltage requirements	110VAC $\pm$ 10%
Dimensions (mm)	160 x 95 x 90

### 4. Operation

**Caution! The ceramic heating element can reach temperatures of up to 500°C, so care should be taken to prevent power leads or power cords from coming in contact with the element. Users should also avoid touching the element during use, and to allow it ample cooling time before touching the heating element or storing the unit.**

To operate the Infrared Heater, simply plug the power cord into a 110 VAC/60 Hz voltage source. Turn the switch on the front of the base to "on."

## 5. Maintenance

The ceramic heater should be cleaned with a damp cloth or sponge if it becomes dirty, making sure no water enters the base. Other than that, the Infrared Heater requires no special maintenance. If any difficulty develops, please contact Central Scientific Company, giving details of the problem. To ensure better service, please do not return any item to Central Scientific Company until we have sent you authorization.

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