

CES375 SERIES EXTENDED AREA SOURCES

System Use and Description

The EOI Commercial Extended Area Source Series CES375 provides stable and uniform graybody radiation for test and calibration of infrared sensors and systems. These sources feature fast slew rate, PID control, digital display of set temperature and actual temperature and optional computer interface. They are designed for laboratory or field use with the controller and emitting surface located in one housing.

Specifications

Temperature Range:	50 to 375°C
Setpoint Resolution:	1°C
Display Resolution:	1°C
Emissivity:	0.94 (± 0.02)
Stability:	$\pm 0.25^\circ\text{C}$
Emitting Surface Area:	6" x 6" 12" x 12"

Computer Interface

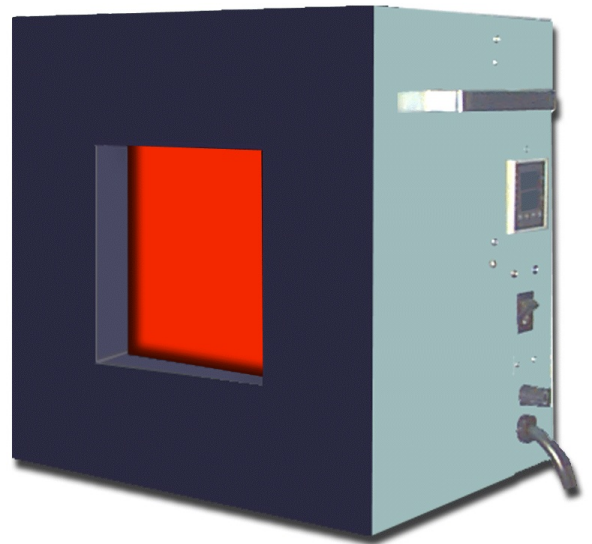
The optional RS232 interface enables selection of setpoint and readout of actual temperature.

Calibration

Each CES System is calibrated at EOI prior to shipment. Calibration tables are stored in memory and are easily updated via front panel keypad. Recommended calibration cycle is 6 months. Calibration is traceable to the National Institute of Standards and Technology (NIST).

Warranty

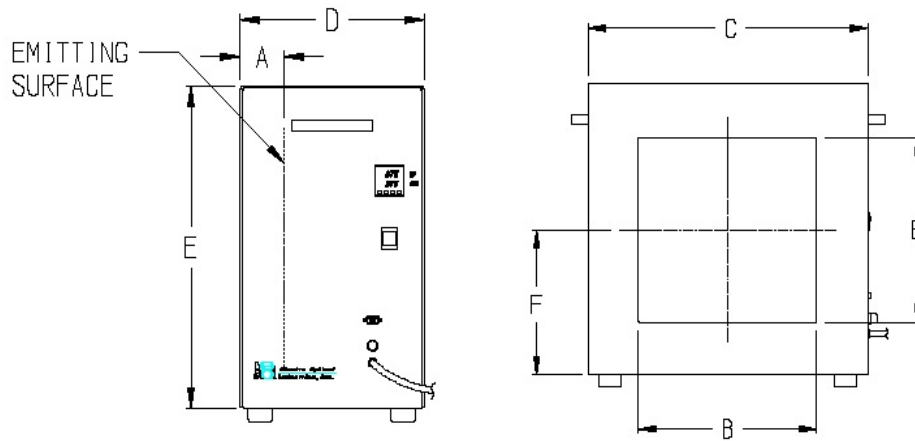
EOI instrumentation is warranted for a period of two years from the date of shipment against defects in materials and workmanship, excluding heater elements, abuse and recalibrations.



The CES 375 Series Extended Area Sources are supplied with a digital controller that provides the following features:

- ◆ **PID closed loop compensation techniques for fast slew rates and settling times.**
- ◆ **LED display of actual temperature and set temperature.**
- ◆ **Closed case calibration via front panel keypad.**
- ◆ **Optional RS232 computer interface.**





Dimensions in Inches

Model Number	Depth to Surface A	Surface Area B	Width C	Depth D	Height E	Optical Center F	Power
CES375-06	2.1	6.0	13.0	9.6	13.0	6.5	120V/240V
CES375-12	2.1	12.0	18.9	11.3	18.8	9.3	240V Only