

# PYROTHERM CS 500

## Infrared calibration source/black body

### Overview



### Description

The infrared radiation source PYROTHERM CS 500 is well suited for calibration and examination of infrared radiation thermometers in the temperature range from 50 °C to 500 °C.

Its execution as an extended area radiator results in a compact portable device with a large aperture and a total emissivity of 97 percent. A serial interface RS-485 enables the control of the radiator with PC. Digital PID controller and precision platinum resistance thermometer Pt100 provide excellent accuracy and stability.

### Technical data

Type	PYROTHERM CS 500
Temperature range	50 °C to 500 °C <sup>1</sup>
Aperture diameter	60 mm
Emissivity	0.97 ± 0.01
Uncertainty	± 1 K ± 0.0025
Control stability	0.2 K
Heat up time	30 min
Temperature sensor	Pt100 class A
Controller	PID
Interface	RS-485
Dimensions	235 mm × 311 mm × 311 mm
Weight	appr. 8 kg
Power supply	115/230 V AC, 200 VA

Svensk generalagent och distributör:

Sensotest AB - Girovägen 13 - 17562 Järfälla

Tel: 08-564 733 80 - Fax: 08-564 733 89 - [www.sensotest.se](http://www.sensotest.se) - [info@sensotest.se](mailto:info@sensotest.se)



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Phone: +49 351 896 74-0  
Fax: +49 351 896 74-99  
E-Mail: [info@dias-infrared.de](mailto:info@dias-infrared.de)  
Internet: [www.dias-infrared.com](http://www.dias-infrared.com)

DIAS Infrared GmbH  
Pforzheimer Straße 21  
01189 Dresden  
Germany