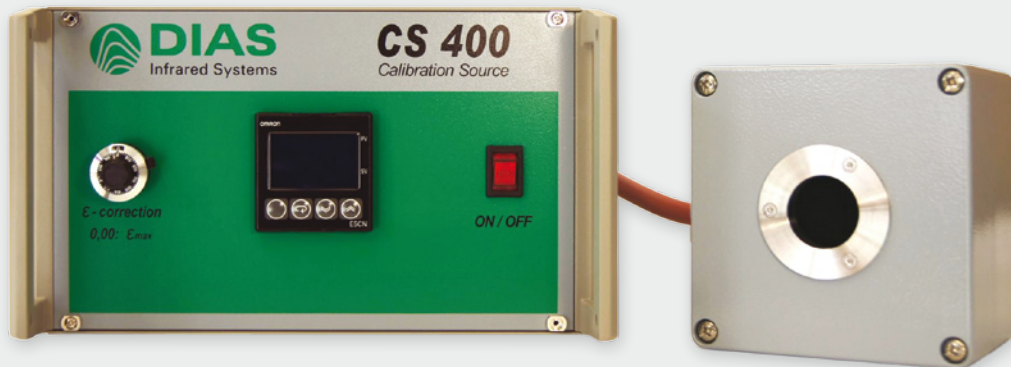


# PYROTHERM CS 400

## Infrared Calibration Source/Black Body



The two-piece **infrared calibration source PYROTHERM CS 400** is well suited for calibration and examination of infrared radiation thermometers in the temperature range from **50 °C to 400 °C**.

It consists of the radiating unit and the controller unit, connected with two cables. The total emissivity of the blackened surface is 97 percent. Digital PID controller and precision platinum resistance thermometer Pt100 provide excellent accuracy and stability.

### Technical data

<b>Type</b>	PYROTHERM CS 400
<b>Temperature range</b>	50 °C to 400 °C
<b>Aperture diameter</b>	30 mm
<b>Emissivity</b>	0.97 ± 0.01
<b>Uncertainty</b>	± 2 K
<b>Control stability</b>	0.5 K
<b>Heat up time</b>	30 min
<b>Temperature sensor</b>	Pt100 Class A
<b>Output</b>	Status output (relay)
<b>Input</b>	Set point activation (logic input for floating contact)
<b>Controller</b>	PID
<b>Dimensions</b>	Source unit: 120 mm × 122 mm × 90 mm Control unit: 235 mm × 140 mm × 350 mm
<b>Weight</b>	Source unit: appr. 1 kg Control unit: appr. 3 kg
<b>Power supply</b>	115/230 V AC, 200 VA

Technical details are subject to change without notice. March 2011.