

# DIAS CS 400/2

## Infrared Calibration Source/Black Body



The two-piece **infrared calibration source CS 400/2** 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 96 percent. Digital PID controller and precision platinum resistance thermometer Pt100 provide excellent accuracy and stability.

### Technical data

<b>Type</b>	CS 400/2
<b>Temperature range</b>	50 °C to 400 °C
<b>Aperture diameter</b>	30 mm
<b>Emissivity</b>	0.96 ± 0.01
<b>Uncertainty</b>	± 2 K
<b>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 × 120 mm × 90 mm Control unit: 235 mm × 130 mm × 310 mm
<b>Weight</b>	Source unit: appr. 1 kg Control unit: appr. 3 kg
<b>Power supply</b>	115/230 V AC, 250 VA

Technical details are subject to change without notice. October 2008.