

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

Type	CS 400/2
Temperature range	50 °C to 400 °C
Aperture diameter	30 mm
Emissivity	0.96 ± 0.01
Uncertainty	± 2 K
Stability	0.5 K
Heat up time	30 min
Temperature sensor	Pt100 Class A
Output	Status output (relay)
Input	Set point activation (logic input for floating contact)
Controller	PID
Dimensions	Source unit: 120 mm × 120 mm × 90 mm Control unit: 235 mm × 130 mm × 310 mm
Weight	Source unit: appr. 1 kg Control unit: appr. 3 kg
Power supply	115/230 V AC, 250 VA

Technical details are subject to change without notice. March 2009.