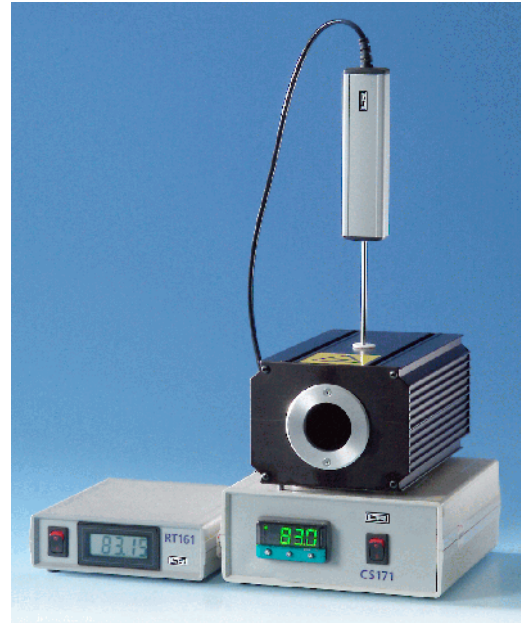




Calibration of non-contact (infrared) thermometers and contact thermometers (e.g. resistance, thermocouple etc.)

A precision "black body" reference for calibration with a temperature control system and a pocket for a reference thermometer, such as model RT161. This bench mounted thermometer uses platinum film sensor and sophisticated linearising techniques to obtain highly accurate results and 0.01°C resolution. For use in high accuracy applications and as a reference to check the accuracy of other thermometers. Simple to use, cost effective, system for on site calibration of contact and non-contact (infrared) thermometers, to adhere to quality standards such as ISO 9000 and HACCP.



CS171 with RT161

Features

- Real temperature source (no simulation)
- Easy to use, compact dimensions
- Calibration of contact and non-contact thermometers on site or in laboratory.

Technical Data

Temperature Controller CS171

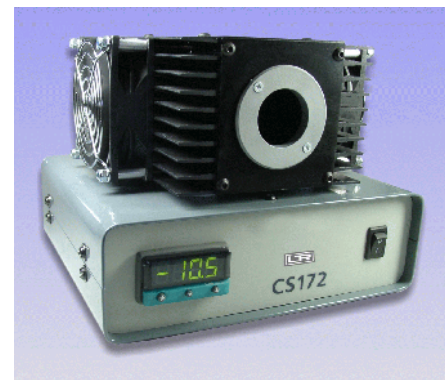
Temperature range: +30.0...+200°C
Sensor: Platin film
Resolution: 0.1°C
Accuracy: ±0.1°C (with precision reference RT161)
Emissivity: > 0.95
Power supply: 230 VAC
Holes for contact probes: 3 x 3.5 mm, 2 x 5.5 mm, 1 x 2.0 mm, 1 x 8.5 mm

Temperature Controller CS172

As type CS171, but:
Temperature range: 40°C below ambient...+75°C

Precision Reference Thermometer RT161

Temperature range: -50.00...+199.99°C
Display: LCD
Sensor: Platin film
Resolution: 0.01°C
Accuracy: Thermometer: ±0.02°C ±0.01%
Sensor: ±0.03°C ±0.07%
Power supply: 9 VDC battery (optional: rechargeable)
Battery life: typ. 500 h with rechargeable full loaded battery



CS172

Optional Accessories

- Mains adaptor for RT161
- System Calibration Certificate, traceable to national standard

