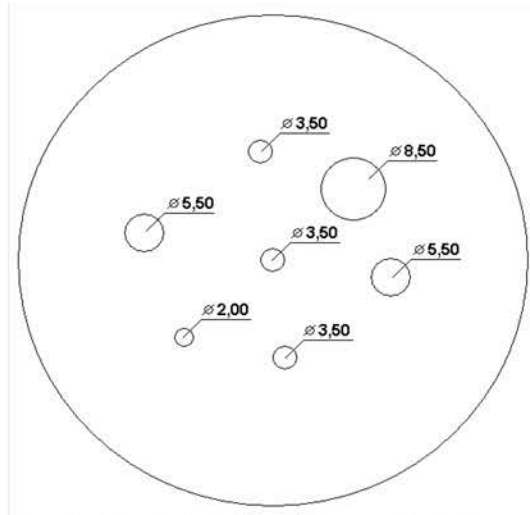


## CS SERIES TEMPERATURE CALIBRATION SOURCES

A simple to use, cost effective system for on site/laboratory calibration of **both** contact and non-contact (infrared) thermometers, to adhere to quality standards such as ISO9000 and HACCP.



CS174 with RT162 & PC Temp PT2 portable thermometers  
CS Series Dimensions (l x w x h) 196 x 174 x 179mm



Standard probe hole dimensions at depth 77mm  
Black Body dimensions 73mm x Ø32mm

The CS Series comprises of three dry block "black body" sources for calibration with a temperature control system and a pocket for a reference thermometer. The CS Series uses a PID controller with platinum film sensor to achieve an accurate and stable temperature.

Model CS173 features a range of +30.0 to +200.0°C and models CS174 & CS175 feature a range of 40°C below the ambient temperature (approx. -20.0°C) to +85.0°C.

All models display temperature in °C or °F and include RS232 output as standard and option for USB.

A calibration certificate, traceable to national standards is supplied with all models.

An optional extra feature of a 2 position *Precision Accuracy Check* function, where the accuracy of the unit is confirmed at 2 preset points, by a key switch selection.

For precision accuracy checking over an extended range, reference thermometers RT162 or PC Temp RT2 (0.01°C resolution) are recommended.

Specification	CS173	CS174	CS175
Range	+ 30.0 to + 200.0 °C	40.0°C below ambient to +85.0°C	40.0°C below ambient to +85.0°C
Resolution	0.1 °C	0.1°C	0.01°C
Accuracy	± 0.2 °C ± 1 Digit	± 0.2 °C ± 1 Digit	± 0.05 °C ± 1 Digit
Emissivity	> 0.95	> 0.95	> 0.95
Stability	Better than 0.03 °C	Better than 0.03 °C	Better than 0.03 °C
Heating time (typical)	30 to 150°C, 15 mins	20 to 60°C, 6 mins	20 to 60°C, 6 mins
Cooling time (typical)	Non-forced	20 to 0°C, 7 mins	20 to 0°C, 7 mins
Power supply	110V or 220 VAC	100V to 240 VAC	100V to 240 VAC
Operating temp.	0 - 50°C	0 - 50°C	0 - 50°C
Weight	4 Kg	4.2 Kg	4.2 Kg

UK 3 pin plug to IEC mains cable supplied as standard.

Continental two pin plug available – please specify when ordering

**Contact the sales department and ask for information on complementary instrumentation .**  
E.g. Portable thermometers (contact and infrared), manometers and multimeter temperature/pressure probes.  
Other parameters include %RH, air velocity, pH, light, sound, and rpm. Data logging/portable options available.