



Eurolec Instrumentation Ltd

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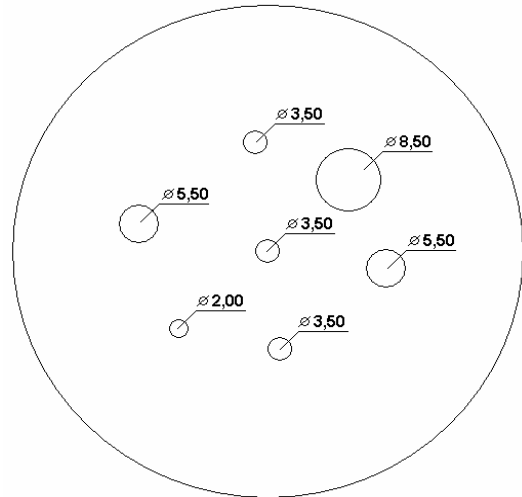
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CS SERIES TEMPERATURE CALIBRATION SOURCES

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 \varnothing 32mm

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 from Eurolec.
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.**

Eurolec Instrumentation Ltd are continuously developing and improving their products and as such the company reserve the right to amend specifications without notice and supply products which differ from those described. **Provisional data sheet only – subject to change.**