



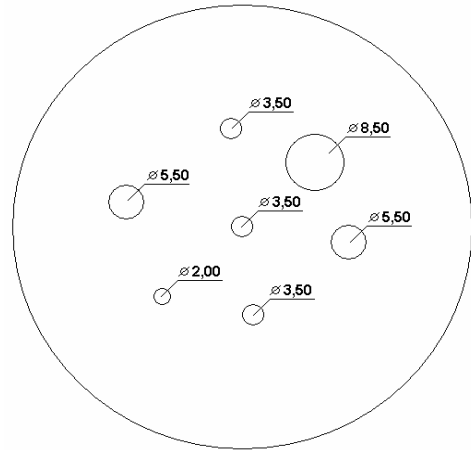
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NEW CS SERIES TEMPERATURE CALIBRATION SOURCES

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, RT162 and PC Temp PT2 portable thermometer

Standard probe hole dimensions at depth 77mm

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

In addition, all models feature a 2 position *Precision Accuracy Check* (*PAC) function where the accuracy of the unit is confirmed at 2 preset points, by a key switch selection. A calibration certificate, traceable to national standards is supplied with all models.

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
Black Body	73mm x \varnothing 32mm	73mm x \varnothing 32mm	73mm x \varnothing 32mm
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
*PAC Function	✓	✓	✓
Emissivity	> 0.95	> 0.95	> 0.95
Stability	Better than 0.03 °C	Better than 0.03 °C	Better than 0.03 °C
Power supply	110V or 220 VAC	100V to 240 VAC	100V or 240 VAC
Operating temp.	0 -50°C	0 - 50°C	0 - 50°C

UK 3 pin plug to IEC mains cable supplied as standard. Contact the sales department and ask for information on complementary instrumentation from Eurolec. E.g. Portable thermometers (contact and infrared) & manometers. 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.