

CS 174

[Quick Start Guide]

Precision Temperature Calibration Source



[Calibration Procedure]

The indicated temperature on the CS174 is for controlling the temperature of the CS174 and should not be used as a temperature reference. For calibrations, use the displayed value on the RT162 supplied as the reference value.

[Setting the Temperature]

Switch the CS174 on using switch **C**

The operating temperature of the CS174 is set by pressing the scroll button **D** momentarily, until the display shows SP1, then pressing up **E** or down **F** to select 6.0°C temperature set point. Allow 5 to 10 minutes for the temperature of the calibration chamber to stabilise at the set point, before taking any readings. To revert to the display showing the temperature, momentarily press the up **E** and down **F** buttons together.

[Probe Calibration]

To check probe thermometer, place probes under test and the TP162 reference probe into appropriate sized holes **B** together and take reading when stable temperature displayed.

[IR Calibration]

To check IR thermometer, place the TP162 reference probe into hole **G** on the top of the chamber. Remove cover **H** and point the infrared thermometer into the cavity and take reading. Replace cover **H** after use.

[Notes]

- The probe reading of the testo 104-IR should be within ± 0.5 °C of the displayed temperature on the RT162.
 - The IR reading of the testo 104-IR should be within ± 1.5 °C of the displayed temperature on the RT162.
 - Please ensure the lens on the Testo 104-IR is clean prior to calibration.
 - The RT162 should not be used after calibration due date.
- Please return to Eurolec for annual calibration.**
- The CS174 operates from a mains supply of 100 - 240V AC and requires one 5A /250V fuse. Replace only with the same type and rating, by removing the fuse compartment of the mains socket at the back of the instrument.
 - There is a mains lead supplied with each instrument and attaches at location **A**.

