

EUROLEC INSTRUMENTATION LTD


CSEC1 - TEMPERATURE CALIBRATION SOURCE

OPERATING INSTRUCTIONS

The CSEC1 provides a positive temperature (+ 30 to + 200°C) dry block calibration source for contact probe thermometers.

The CSEC1 operates from a mains supply of 220 - 240V AC (110V operation is optional) and requires two 5A /250V fuses. 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.

Operation:

Switch the instrument on, by the On/Off  switch at the front of the instrument.

The CSEC1 uses a PID controller, which has been pre-set for optimum operation over the full temperature range. The units are set to °C. The only other adjustment required is changing the temperature set point, as outlined below.

To set the operating temperature of the CSEC1, press and hold the * button, then press the up ▲ or the down ▼ arrow buttons to increase or decrease the temperature set point.

Press and hold the * button on the controller to view the temperature set point, the display initially shows the units (°C) and then the value of the temperature set point.

Allow approx 20-30 minutes for the temperature of the calibration chamber to stabilise at the set point, before taking any readings.

For contact thermometers place probes under test, and the reference probe, if applicable, into the probe holes provided at the front of the calibration chamber.

Note: The temperature set point should not exceed 200°C.

The indicated temperature on the CSEC1 is for controlling the temperature of the dry block source and should not be used as a temperature reference. For calibrations, a precision thermometer, such as the PC Temp RT2, the RT162 or the RT163 supplied by EUROLEC, should be used as the reference.

Warranty

This instrument has been carefully assembled and tested, and is warranted against faulty workmanship and materials for 12 months from the date of purchase.

During the warranty period any defective instrument will be repaired or replaced at the discretion of the manufacturer. This warranty does not cover, damage or failure resulting from misuse or accident. Modification, adjustment or any alteration with the internal arrangement of the instrument shall absolve the manufacturer from any liability in respect of the instrument. If the tamperproof seal is broken, this will make the warranty void.

Any instrument to be repaired should be forwarded to the manufacturer, carriage paid and at the owner's risk. A brief description of the fault should be included.

Eurolec Instrumentation Ltd.

Technology House, Cluan Enda, Dundalk, Co. Louth, Ireland.

Tel: +353 (0) 42 9333423, Fax: +353 (0) 42 9331758,

email: eurolec@esatclear.ie

Please see other Pressure & Temperature instruments on the Eurolec web site
www.eurolec-instruments.com