

ECONOMY TEMPERATURE CALIBRATION SOURCES

CSEC1 | CSEC2 | CSEC3

Features

- A range of economy temperature calibration sources for laboratory & on-site calibration of thermometers
- Dry-block calibration source with precision temperature control
- PID Controller with a platinum film sensor for reliable, accurate operation
- Ideal for compliance with quality standards such as ISO9001 and HACCP
- Compatible with Eurolec Reference Thermometers such as the RT162 & PC Temp RT2
- Wide temperature ranges:

Model CSEC1	+30.0°C to +200.0°C
Model CSEC2	38.0°C below ambient to +85.0°C
Model CSEC3	30.0°C (min -10°C) below ambient to +105°C



Cost-effective, accurate calibration of probe thermometers

Accurate temperature measurements are essential if you need to meet quality standards, regulations or guidelines such as HACCP or ISO 9001.

Ensuring that your thermometers are reading accurately is an essential part of this process and using a reference calibration source can help you achieve this.

The CSEC Series is an economic range of temperature calibration sources and is available in three versions, each of which provide an accurate and stable temperature output.

All of the CSEC variants are ideal for the calibration of probe thermometers and provide a range of probe hole sizes.

The CSEC3, with the lower temperature limit of 30°C below ambient to +105°C is ideal for critical temperature measurements in food and laboratory applications.

The probe holes on the front of the instruments allow a number of different sizes of probes to be accommodated, allowing a wide range of instruments to be calibrated.

Where an additional level of verification is required, an external reference thermometer such as the Eurolec RT162 or PC Temp RT2 can be used to provide precision reference temperature readings to a resolution of 0.01°C.

Using a reference thermometer with a calibration source

Where the very highest level of precision and accuracy is demanded, the temperature output of the Calibration Source can be verified using an external reference thermometer.

This additional level can be essential where calibration is to be carried out over an extended temperature range.

All of the CSEC Series can be used with an external reference thermometer, such as the Eurolec RT162 or PC Temp RT2, to provide a complete reference, verification and calibration system.

Ordering Information

Ordering Codes

The product codes shown below detail the standard product ordering codes and the specifications for each product.

Mains Power Cable

All of the CSEC Series are supplied with a UK/Ireland 3 Pin IEC Mains Cable as standard.

An EU or US Style cable can be specified if required.

Reference Thermometer

A reference thermometer can be ordered with the calibration sources to build a complete temperature calibration system.

The RT162 Benchtop Reference Thermometer or the PC Temp RT2 Handheld Thermometer are ideal for this application and can be ordered alongside the calibration source.

Technical Information

CSEC Economy Temperature Calibration Sources

SPECIFICATION	CSEC1	CSEC2	CSEC3
Range	+30.0°C to +200.0°C	38.0°C below ambient to +85.0°C	30.0°C below ambient (min -10°C) to +105.0°C
Resolution	0.1°C	0.1°C	0.1°C
Accuracy	± 0.2°C ± 1 digit	± 0.2°C ± 1 digit	± 0.2°C ± 1 digit
Stability	Better than 0.03°C	Better than 0.03°C	Better than 0.03°C
Power Supply	220vAC	110vAC to 220vAC	110vAC to 220vAC
Operating Temperature	+5°C to +40°C	+5°C to +40°C	+5°C to +40°C
Weight	3 kg	2.7 kg	2.7 kg
Dimensions	172mm x 164mm x 130mm	172mm x 164mm x 130mm	172mm x 164mm x 130mm

CSEC Series probe hole dimensions

1 x 2.0mm; 3 x 3.50 mm; 1 x 5.50 mm; 1 x 6.20mm; 1 x 8.50 mm. All probe holes have a depth of 77mm

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.

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