OneTemp pty ltd
MEASURE | CONTROL | RECORD

TEMPSENS

High Temperature Dry Block Furnace

Wide Temperature Range

CALsys 1700L offer a wide temperature range from 500 °C to 1700 °C

Simple to use

The CALsys 1700L block is ideal for Industrial/ Laboratory field use and it is simple enough to testing and calibration uses.

Accuracy and performance

The CALsys 1700L is an easy to use that also provides excellent calibration accuracy with stability ±1.5°C at 1700°C.

Accredited calibration

Each CALsys 1700L is delivered with an accredited calibration certificate.

Computer Interface

The communication port (RS-232) enables communication with selected CALsys 1700L calibrators for automation calibration and documentation thus it made documentation easy.

Calsys 1700L

Highly accurate temperature Calibrator for Industrial / Laboratory field use

CALsys 1700L offers easy to use temperature calibrator with high temperature range from 500 to 1700°C. It is a highly stable standard furnace for calibrating thermocouples / RTD. This calibrator can be used on site for high temperature calibration and also find application in glass, electric power, automotive and material process industry. The comparison volume is a metallic block of special material, which has a diameter of 37mm and 240mm long. The temperature of the calibrator is set and controlled by a self tuned PID controller with automatic super fine adjustment. Our newly designed CALsys 1700L model offers better esthetic design and performance wise upgraded to next level.

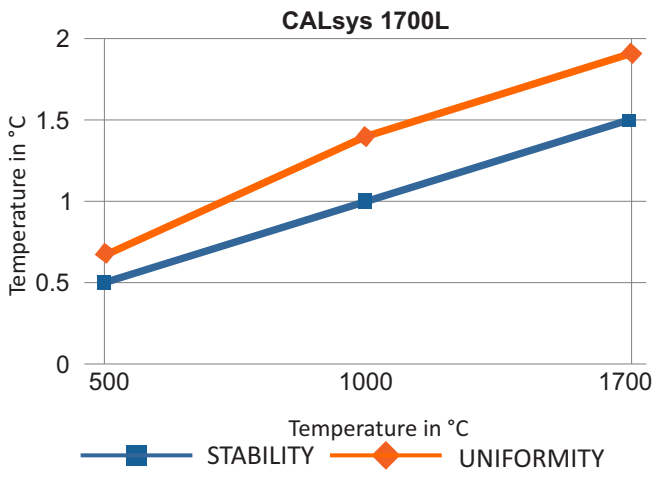
During the past several years, we have acquired extensive knowledge of industrial temperature calibration. This expertise is reflected in our products which are all designed for daily use in an industrial environment.

Tempsens make Temperature Calibrator is an extremely effective instrument which we hope will live up to all your expectations. This is a fast, timesaving, and reliable true industrial temperature calibrator designed for on-site use.

SPECIFICATIONS

Temperature range	500 °C to 1700 °C
Accuracy	±4 °C
Stability	±0.5°C at 500°C
	±1.0°C at 1000°C
	±1.5°C at 1700°C
Radial uniformity	±0.6°C at 500°C
	±1.4°C at 1000°C
	±1.9°C at 1700°C
Stabilization time	15 to 20mins
Controlling sensor	B type duplex
Radial uniformity	±0.6 °C at 500°C
	±1.4°C at 1000°C
	±1.9°C at 1700°C
Method of Control	Self tunned PID controller
Immersion depth	225mm
Insert OD dimensions	37 mm
Heating time	3 Hrs
Resolution	1 °C
Display	LCD, °C or °F user-selectable
Size (H x W x D)	640(H) x 500(W) x 550(D) mm
Weight	80Kg
Power requirements	230 VAC 50/60Hz
Computer interface	RS - 232
RS - 232	Accredited calibration certificate provided
Environmental operating conditions	0 °C to 40 °C, 0 % to 90 % RH (non-condensing)
Specifications valid in environmental conditions	13 °C ... 33 °C

STABILITY / UNIFORMITY

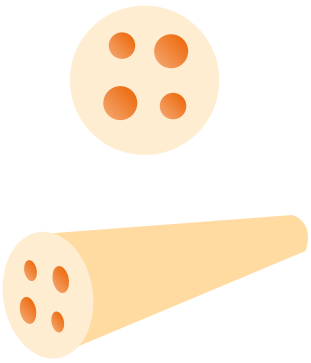


Insert construction

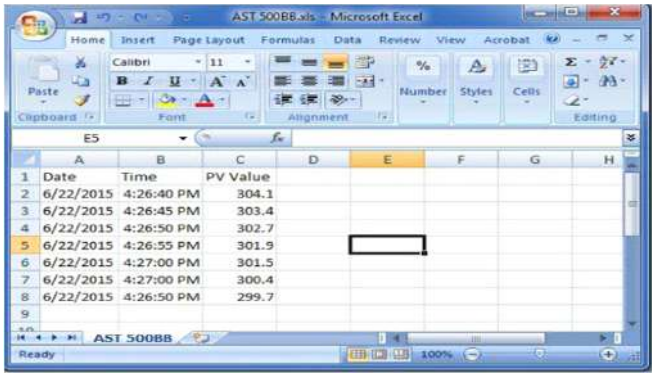
Inserts for CALsys 1700L models

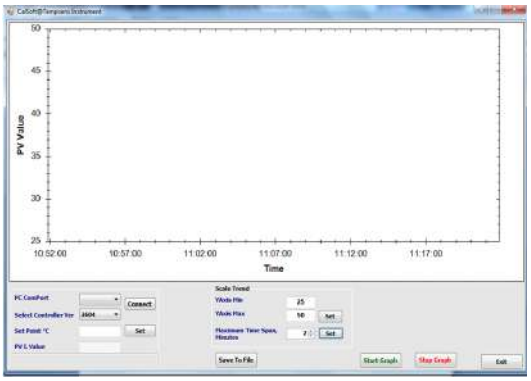
Inserts for CALsys 1700L are made of special material. All specifications on hole size based on outer diameter of the sensor under test. We also offer customized hole size based on Customer requirements

Inserts	Description
Ci1	Multihole, 2 x 6.5 mm, 2x8.5 mm
Ci2	Special (Customized)



SOFTWARE





- CalSoft including for setting bath temperature and monitoring the PV. Graphical representations of PV/TIME with 2 hours data logging.

MASTER SENSOR (OPTIONAL)

- Reference Standard Thermocouple (PT-RT/PT “B type T/C”)..... Part No. TTCB-300

- NABL accredited calibration certificate - 3 point
- Operational Manual