

Tempsens "the complete thermal engineering solution provider" is manufacturing wide range of thermal calibration equipments & providing including Liquid baths, Dry block furnaces & Black Body Furnace from -80°C to 1700°C.

Tempsens Calibration center is a independent unit of tempsens instruments pvt. Ltd. We offer wide range of temperature calibration services. The lab has highly stable calibration furnaces, measuring instruments and accurate master sensors traceable to National and international Standards.

calibration of Contact and Non-contact type sensors can be made in temperature range of -196°C to 1600°C & 0°C to 1700°C respectively. Further the laboratory offers both in house and on site temperature calibration.

Tempsens Instruments has started a new calibration laboratory in **Vadodara & Bangalore**.



Get a Proposal for setting Your Own Thermal Calibration Lab
Call on +91-9251433157

Calibration Equipments

Liquid Bath



CALsys -80/50
-80 to 50°C
Stability
±0.04°C at -80°C (Methanol)
±0.07°C at 0°C (Methanol)
±0.05°C at 50°C (Water)
Temperature Resolution
0.1°C
2,78,500/-



CALsys -35/200
-35 to 200°C
Stability
±0.01°C at -35°C (Methanol)
±0.05°C at 0°C (Methanol)
±0.04°C at 200°C (Silicon Oil)
Temperature Resolution
0.01°C
2,60,000/-



CALsys 250
50 to 250°C
Stability
±0.015°C at 50°C
±0.025°C at 150°C
±0.05°C at 250°C
Temperature Resolution
0.1°C
58,500/-

Dry Block



CALsys -15/110
-15 to 110°C
Stability
±0.03°C at -15°C
±0.05°C at 0°C
±0.07°C at 110°C
Temperature Resolution
0.1°C
1,20,000/-



CALsys 650
50 to 650°C
Stability
±0.025°C at 50°C
±0.035°C at 350°C
±0.07°C at 650°C
Temperature Resolution
0.1°C
78,500/-



CALsys 1200
250 to 1200°C
Stability
±0.1°C at 250°C
±0.2°C at 700°C
±0.4°C at 1200°C
Temperature Resolution
1.0°C
1,18,000/-



CALsys 1200L
300 to 1200°C
Stability
±0.1°C at 300°C
±0.2°C at 700°C
±0.35°C at 1200°C
Temperature Resolution
1.0°C
1,60,000/-



CALsys 1500L
500 to 1500°C
Stability
±0.4°C at 500°C
±0.7°C at 1000°C
±1.0°C at 1500°C
Temperature Resolution
0.1°C
3,90,000/-



CALsys 1700L
500 to 1700°C
Stability
±0.5°C at 500°C
±1.0°C at 1200°C
±1.5°C at 1700°C
Temperature Resolution
1.0°C
5,10,000/-

Black Body



CALsys 500BB
50 to 500°C
Stability
±0.5°C at 50°C
±0.8°C at 250°C
±1.0°C at 500°C
Temperature Resolution
0.1°C
1,20,000/-



CALsys 1200BB
300 to 1200°C
Stability
±0.2°C at 500°C
±0.3°C at 800°C
±0.5°C at 1200°C
Temperature Resolution
1.0°C
1,90,000/-



CALsys 1500BB
500 to 1500°C
Stability
±0.4°C at 500°C
±0.7°C at 1000°C
±1.0°C at 1500°C
Temperature Resolution
1.0°C
4,30,000/-



CALsys 1700BB
500 to 1700°C
Stability
±0.7°C at 500°C
±1.4°C at 1200°C
±2.0°C at 1700°C
Temperature Resolution
0.1°C
5,50,000/-



CalREF
Reference Unit
Stability
±0.03°C
Temperature Resolution
0.01°C
1,20,000/-

[Download Catalogue](#)

Master Sensors



SSPRT



RTD TPRT



Cold Junction Probe CTC



Master T/C TTC

Calibration Services

- Fixed Point Calibration at TPW(0.01), MPG (29,7646), FPI (231.928), FPZ(419.527), FPA (660.323).
- Comparison Calibration from -196°C to 1700°C for T/C, RTD, Pyrometer.
- Onsite Calibration from -25°C to 1200°C for T/C, RTD, Pyrometer.

Best C.M.C.

Newly Opened Tempsens Calibration Laboratories in Vadodara and Bangalore

Other Products

Thermocouples | RTDs | Thermowells | High Temperature Cables | Mineral Insulated Cables | Pyrometers | Industrial Heater | Industrial Furnace

Udaipur

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Vadodara

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Bangalore

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