

Laboratory Institute for Design of Electrical Measuring Instruments, Swatantryaveer
Tatya Tope Marg, Chunabhatti, Sion, Mumbai, Maharashtra

Accreditation Standard ISO/IEC 17025:2005

Discipline Thermal Calibration **Issue Date** 31.08.2014

Certificate Number C-0186 **Valid Until** 30.08.2016

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| Quantity Measured/ Instrument | Range / Frequency | *Calibration Measurement Capability (\pm) | Remarks |
|---|-------------------|--|--|
| I. TEMPERATURE | | | |
| 1. Calibration of Temperature Sensor (RTD, Thermocouple, Thermometer) & Temperature Indicator System[#] | -80°C to 0°C | 0.08°C | Using SPRT with Fluke Low Temperature Bath by Comparison Method |
| | 0°C to 660°C | 0.17°C | Using SPRT with Isotech Oil Bath and Fluke Dry Well Temperature Bath by Comparison Method. |
| | 660°C to 1000°C | 1.8°C | Using Type S Thermocouple with High Temperature Furnace by Comparison Method. |
| 2. Infra Red Thermometers^{\$} | 50°C to 500°C | 5.7°C | Using Infra Red Calibrator by Comparison Method. |

* Measurement Capability is expressed as an uncertainty (\pm) at a confidence probability of 95%

^{\$}Only in Permanent Laboratory

[#]The laboratory is also capable for site calibration however, the uncertainty at site depends on the prevailing actual environmental conditions and master equipment used.