

Laboratory **L & T Heavy Engineering Calibration and Testing Laboratory, Larsen & Toubro Limited, Technology Block, Hazira Manufacturing Complex, Post: Bhatha, Surat, Gujarat**

Accreditation Standard **ISO/IEC 17025:2005**

Discipline **Thermal Calibration** Issue Date **19.07.2014**

Certificate Number **C-0845** Valid Until **18.07.2016**

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| Quantity Measured/ Instrument | Range / Frequency | *Calibration Measurement Capability (\pm) | Remarks |
|---|--|--|--|
| <u>I. TEMPERATURE</u> ^{\$} | | | |
| 1. Temperature Indicator/ Controller/ Recorder/ Transmitter With Sensor | -196°C -80°C to 18 °C 30°C to 90°C >150°C to 1000°C | 0.87°C 0.87°C 0.87°C 3.31°C | Using SPRT/ Multifunction Calibrator/ S-Type Thermocouple, Liquid Nitrogen bath, Methanol bath, Water bath & Dry block furnace by Comparison Method |
| 2. RTD Sensor | -196°C -80°C to 18 °C 30°C to 90°C | 0.87°C 0.87°C 0.87°C | Using SPRT/ Multifunction Calibrator/ S-Type Thermocouple, Liquid Nitrogen bath, Methanol bath, Water bath & Dry block furnace by Comparison Method |
| 3. Thermocouple | 150°C to 1000°C | 3.36°C | Using S-Type Thermocouple / Multifunction Calibrator, Dry block furnace by Comparison Method |

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

^{\$}Only in Permanent Laboratory

Avijit Das
Program Manager

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Convenor