

**Laboratory** Centre for Calibration, Nagman Instruments and Electronics Pvt. Ltd.,  
114, PAP/SS R-9, TTC Industrial Area, Rabale MIDC, Navi Mumbai

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

**Discipline** Thermal Calibration **Issue Date** 24.06.2013

**Certificate Number** C-0723 **Valid Until** 23.06.2015

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| Quantity Measured/<br>Instrument  | Range / Frequency | *Calibration Measurement<br>Capability ( $\pm$ ) | Remarks  |
|---|-------------------|--|--|
| <b>I. TEMPERATURE</b>   |                   |  |  |
| 1. RTDs, Thermocouples,<br>Temperature Indicators/<br>Recorders with probe,<br>Temperature gauges,<br>Liquid-in-Glass<br>Thermometer <sup>s</sup> | -40°C to 100°C    | 0.14°C   | Using PT-100<br>Resistance Probe and<br>6.5DMM<br>By Direct/ Comparison<br>Method                |
| 2. RTDs, Thermocouples,<br>Temperature Indicators/<br>Recorders with probe,<br>Temperature gauges,<br>Temperature calibrators <sup>s</sup>        | 100°C to 650°C    | 0.33°C   | Using PT-100<br>Resistance Probe and<br>6.5DMM<br>By Direct/ Comparison<br>Method                |
| 3. Thermocouples,<br>Temperature Indicators/<br>Recorders with probe,<br>Temperature gauges,<br>Temperature calibrators <sup>s</sup>              | 600°C to 1200°C   | 3.49 °C to 2.96°C                                | Using S-type<br>Thermocouple and<br>6.5DMM<br>By Direct/ Comparison<br>Method                    |
| 4. RTDs, Thermocouples,<br>Temperature Indicators/<br>Recorders with probe,<br>Temperature gauges,<br>Temperature<br>calibrators <sup>s</sup>     | -35°C to 600°C    | 0.41°C   | Using RTD and<br>Multifunction Calibrator<br>By Direct/ Comparison<br>Method                     |
|   | 600°C to 1200°C   | 2.96°C   | Using S- Type<br>Thermocouple and<br>Multifunction Calibrator<br>By Direct/ Comparison<br>Method |

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| Quantity Measured/<br>Instrument                             | Range / Frequency | *Calibration Measurement<br>Capability ( $\pm$ ) | Remarks  |
|--|-------------------|--|--|
| 5. Baths, Oven, Furnaces at<br>Single specified<br>position* | -40°C to 600°C    | 2.03°C   | Using RTD and<br>Multifunction Calibrator<br>By Direct/ Comparison<br>Method                       |
|  | 600°C to 1200°C   | 2.96°C   | Using S-Type<br>Thermocouple<br>and Multifunction<br>Calibrator<br>By Direct/ Comparison<br>Method |

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

\$Only in Permanent Laboratory

\*Only for Site Calibration