



# NABL

**Department of Science & Technology, India**

## SCOPE OF ACCREDITATION

Laboratory	Electro-Technical Measurements Laboratory, Centre for Calibration, Nagman, Chennai		
Accreditation Standard	ISO/IEC 17025: 2005		
Field	Electro Technical Calibration	Issue Date	03.02.2010
Certificate Number	C-0162	Valid Until	02.02.2012
Last Amended on	17.05.2010	Page	8 of 11

Quantity Measured / Instrument	Range / Frequency	* Calibration Measurement Capability ( $\pm$ )	Remarks
<b>22. TEMPERATURE - SIMULATION (Indicator/Comparator/Recorder ) THERMOCOUPLE TYPE</b>			
<b>J-TYPE</b>	-210°C to 0°C 0 °C to 1200°C	0.15°C to 0.12°C 0.12°C to 0.20°C	Using standard MFC (Model : Microcal 2000+ & 200+)
<b>K-TYPE</b>	-260°C to 0°C 0°C to 1200°C	0.15°C to 0.12°C 0.12 °C to 0.44°C	
<b>T-TYPE</b>	-260°C to 0°C 0°C to 400°C	0.18°C to 0.12°C 0.12 °C to 0.16°C	
<b>R-TYPE</b>	-50°C to 0°C 0°C to 1760°C	0.26°C 0.26°C to 0.35°C	
<b>S-TYPE</b>	-50°C to 0°C 0°C to 1750°C	0.27°C 0.27°C to 0.35°C	
<b>B-TYPE</b>	950°C to 1500°C 1500°C to 1820°C	0.48°C to 0.54°C 0.54°C to 0.57°C	
<b>E-TYPE</b>	-260°C to 0°C 0°C to 1000°C	0.16°C to 0.12°C 0.12°C to 0.24°C	
<b>N-TYPE</b>	-250°C to 0°C 0°C to 1000°C 1000°C to 1300°C	0.18°C to 0.13°C 0.13°C to 0.14°C 0.14°C to 0.28°C	
<b>C-TYPE</b>	0°C to 1000°C 1000°C to 2300°C	0.24°C to 0.36°C 0.36°C to 0.51°C	

  
Convenor