

National Accreditation Board for **Testing and Calibration Laboratories**

SCOPE OF ACCREDITATION

Laboratory Name :	N
Accreditation Standard	1
Certificate Number	C
Validity	1

CENTRAL ELECTRONICS CENTRE, INDIAN INSTITUTE OF TECHNOLOGY MADRAS, CHENNAI, TAMIL NADU, INDIA

SO/IEC 17025:2017

CC-2918

Page No

28 of 55

7/11/2024 to 16/11/2028

Last Amended on 16/02/2025

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
160	MEDICAL DEVICES- PATIENT CONDITIONING / MAINTENANCE	Supply Voltage of Autoclave, Anaesthesia Machine, Boyles Apparatus, BiPAP, CPAP, Diathermy, Defibrillator, Dialysis Unit, Enteral Feeding Pump, Infusion Pump, Syringe Pump, Electrosurgical Unit, Cautery Unit, EGC Machine, Ventilator, Incubator Analyser, Radiant/Baby Warmer, Patient/Apnea Monitor, Suction Pump and Nebulizer @ 50 Hz	Using Electrical Safety Analyzer by Direct Method	95 V to 240 V	2.35 %
161	MEDICAL DEVICES- PATIENT CONDITIONING / MAINTENANCE	Temperature - Dialysis Machine	Using Dialysis Reference Meter by Direct Method	19 ° C to 45 ° C	0.59 ° C
162	MEDICAL DEVICES- PATIENT CONDITIONING / MAINTENANCE	Volume Ventilator	Using Gas Flow Analyzer by Direct Method	2 ml to 1500 ml	4.62 % to 2.03 %
163	THERMAL- TEMPERATURE	RTD, Thermocouple with/without Indicator/Controller/ DAQ	Using PRT with Super DAQ and Dry Block Calibrator by Comparison Method	(-) 25 °C to 150 °C	0.15 °C



National Accreditation Board for **Testing and Calibration Laboratories**

SCOPE OF ACCREDITATION

Laboratory Name :
Accreditation Standard
Certificate Number
Validity

CENTRAL ELECTRONICS CENTRE, INDIAN INSTITUTE OF TECHNOLOGY MADRAS, CHENNAI, TAMIL NADU, INDIA

ISO/IEC 17025:2017

CC-2918

17/11/2024 to 16/11/2028

Page No Last Amended on 16/02/2025

29 of 55

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
164	THERMAL- TEMPERATURE	RTD, Thermocouple with/without Indicator/Controller/ DAQ	Using PRT with Super DAQ and Dry Block Calibrator by Comparison Method	150 °C to 400 °C	0.55 °C
165	THERMAL- TEMPERATURE	RTD, Thermocouple with/without Indicator/Controller/ DAQ	Using PRT with Super DAQ and Dry Block Calibrator by Comparison Method	400 °C to 600 °C	0.76 °C
166	THERMAL- TEMPERATURE	Temperature Indicator with sensor of Temperature Bath, Furnace (Single Position)	Using PRT with Super DAQ by Comparison Method	150 °C to 600 °C	0.76 °C
167	THERMAL- TEMPERATURE	Temperature Indicator with Sensor of Temperature Bath, Furnace (Single Position)	Using R Type Thermocouple with Super DAQ by Comparison Method	600 °C to 1200 °C	2.06 °C
168	THERMAL- TEMPERATURE	Temperature Indicator with Sensor of Temperature Bath, Furnace, Oven (Single Position)	Using PRT with Super DAQ by Comparison Method	(-) 25 °C to 150 °C	0.14 °C
169	THERMAL- TEMPERATURE	Thermocouple with/without Indicator/Controller/ DAQ	Using R Type Thermocouple with Super DAQ and Dry Block Calibrator by Comparison Method	600 °C to 1200 °C	2.18 °C