



## Methods in brief- Only for customers' awareness.

This document will brief our calibration procedures for awareness of our customers' before come to our service. Most of calibration procedures are laboratory developed and validated procedures. Laboratory will not provide either soft or hard copies of documented calibration procedures in any manner. However, who interest can visit our laboratory and view calibrations with a prior approval. Further any clarifications about the calibration procedures / Methods can be queried by contacting us via the given details of quotation.

UUT- Unit under Test / Calibration.

### Thermal Calibrations.

SI No	Type of instrument	Calibration performed	Calibration methods / Measurement procedure
01	Thermometers with or without an external sensor (Digital / Dial / Analogue / Environmental thermometers, Liquid in glass thermometer)	Temperature	MET-TE-01 Sensor of UUT will be inserted to a field metrology drywell and / or to an appropriate heating /cooling source. Readings of the UUT will be compared with reference standard (either metrology drywell and / or reference thermometer) readings. Adjustment will be done only whenever possible, with the consonant of customer.
02	Temperature controlled enclosures / Chambers. Media – Air or Liquid	Temperature	MET-TE-02 Temperature will be monitored at selected location for a certain period of time. Temperature of the enclosure will be adjusted only, when possible, with the consonant of the customer.

### Mechanical Calibrations.

SI No	Type of instrument	Calibration performed	Calibration methods / Measurement procedure
01	Linear Measuring Devices Rulers, Tapes, all type calipers, all type micrometers and etc.	Length	MET-DI-01 Direct comparison against to reference standards as appropriate.
02	Pressure Gauges / Sensors / Transmitters	Pressure	MET-PR-01 Direct comparison against to reference standards as appropriate.
03	Top Loading Balance / Weighing scales	Mass	MET-MA-01 Appropriate reference set of weights will be used for calibration. Adjustment will be done only when available and with the consonant of customer.