



CALIBRATION CERTIFICATE

JOB ORDER NO	AIC/SRF/22-23/220313	PAGE NUMBER	01 of 02	
CERTIFICATE NUMBER	AIC/22-23/220313-01	ULR NO :	CC267422000001351F	Date of Issue: 07-03-22
CUSTOMER ADDRESS	M/S. GOVERNMENT HEAD QUARTERS HOSPITAL, PERIYAKULAM, THENI.			

DEVICE UNDER CALIBRATION DETAILS


NOMENCLATURE	DIGITAL THERMOMETER
MAKE	DIMPLE SCIENTIFIC EQUIPMENT
MODEL NO	MTW0101LOOGO
TYPE	-
SERIAL NUMBER	-
RANGE	-50 to 100 °C
RESOLUTION	0.1°C
LOCATION	ICTC LAB
ID NUMBER	DTM-01
DEVICE UNDER CALIBRATION RECEIVED DATE	04-Mar-22
CALIBRATION DATE	04-Mar-22
RECOMMENDED NEXT DUE DATE	03-Mar-23
CONDITION OF ITEM ON RECEIPT	GOOD

REFERENCE STANDARDS DETAILS

	MASTER 1
NOMENCLATURE	RTD SENSOR WITH DIGITAL MULTIMETER
MAKE	TEMPSENS/FLUKE
MODEL NO	RTD - PT-100 / 8846A
SERIAL NUMBER	35483/3372010
TRACEABILITY DETAILS	2021-22/EQN/2201112-03
VALIDITY	27-Jan-23

MONITORED ENVIRONMENTAL CONDITIONS

TEMPERATURE (°C)	25 ± 4	RELATIVE HUMIDITY (%RH)	30-75
CALIBRATION PROCEDURE	CP-T02-2016		

CALIBRATED BY  P.NATARAJAN CALIBRATION ENGINEER	 SEAL OF ARROW	APPROVED BY  A.MASILAN TECHNICAL MANAGER
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PAGE NUMBER	02 OF 02

CALIBRATION RESULTS

Range	DUC Readings	Mean Standard Readings	Deviation	Error Limit (±)	Expanded Uncertainty (±)
(°C)	(°C)	(°C)	(°C)	(°C)	(°C)
-50 to 100 °C	-34.9	-34.729	0.171	1.0	0.46
	-19.8	-19.618	0.182	1.0	0.46
	0.1	0.344	0.244	1.0	0.46
	29.6	29.898	0.298	1.0	0.46
	49.1	49.452	0.352	1.0	0.46
	79.6	79.994	0.394	1.0	0.26
	99.5	99.907	0.407	1.0	0.26

REMARKS

- 1.The above mentioned device under calibration was calibrated at Lab
- 2.The recalibration interval should be determined on the user requirement.
- 3.The results stated in this certificate relate only to the item calibrated.
- 4.This Calibration certificate shall not be reproduced except in full, without written approval of the laboratory.
- 5.Any correction / Modification in this calibration report kindly inform with in 30 days.
- 6.The indicated uncertainties are expanded uncertainty estimated for a confidence level of approximately 95% for a coverage factor k=2.00 .
- 7.Calibration of the DUC are traceable to National Standards/International Standards.

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