



TECHNOLOGY PROMOTION ASSOCIATION (THAILAND-JAPAN)
CORPORATE SERVICES 3: EQUIPMENT CALIBRATION AND TESTING SERVICES
534/4 PATTANAKARN ROAD SOI 18, SUANLUANG, SUANLUANG, BANGKOK 10250
TEL. 0-2717-3000-24 FAX. 0-2719-9484



Certificate of Calibration

Certificate No. : 231672

Page : 1 of 2

Equipment : Data Logger
Manufacturer: Omega
Model : OM-CP-HITEMP140
Serial No.: R25518
ID No.: TEMD016
Condition As-Received: Used Item
Received Date: 06 June 2023
Calibration Date: 19 June 2023
to 21 June 2023
Reference: 2306-0124WSC
Ambient Temperature: (25 \pm 3) °C
Relative Humidity: (50 \pm 20) %

This certificate may not be reproduced other than in full,
except with the prior written approval of the head of
Corporate Services 3: Equipment Calibration and Testing Services.

Submitted by: National Healthcare Systems Co.,Ltd.

2301/2 New Petchburi Soi 47 (Soonvijai),
Bangkapi, Huaykwang, Bangkok 10310

Procedure used: Calibration were conducted using in-house calibration procedure CP-T07 according to comparison with
Platinum Resistance Thermometer (PRT) into liquid bath temperature controller.
The temperature scale used was based on ITS-90.

Condition of this result of calibration

1.Reference standards instruments :

Instrument	Model	Serial No.	Certificate No.	Due Date
1) Black Stack Thermometer	1560	A01646	22E2773	26 Aug 2023
2) SPRT Module	2560	A01440	22E2773	26 Aug 2023
3) Platinum Resistance Thermometer	5628	1632	TC-0039-22	08 Dec 2023


2.The certificate is valid only to the item calibrated on date and place of calibration.

3.This Certification is traceable to the International System of Unit maintained through:-

-National Institute of Metrology Thailand (NIMT)

Calibrated by : Thatchanan Chankong
Issue Date : 23 June 2023

Approved Signatory :


[] Phalinee Prabpaipal
[x] Chatchawan Khunpiluek
[] Wanlop Larpkern

B 0317856



Cert. No.: 231672

Page.: 2 of 2

Result of Calibration :- Without Adjustment

Function: Temperature measurement

Dimension of probe : Diameter 4.5 mm., Length 51 mm. Sheath material : Stainless Steel

Parameter Setting : Gain = 0.9992093
Offset = 0.073 °C

Immersion Depth	Standard Temperature	UUC* Logger Reading	Logger Error	Uncertainty of Measurement
(mm.)	(°C)	(°C)	(°C)	(± °C)
150	-20.0034	-20.23	-0.2266	0.066
150	0.0032	-0.16	-0.1632	0.066
150	50.0047	49.97	-0.0347	0.066
150	100.0046	100.00	-0.0046	0.066
150	140.0048	139.96	-0.0448	0.066

UUC* : Unit Under Calibration

The reported uncertainty of measurement was based on standard uncertainty multiplied by a coverage factor $k = 2$, providing a level of confidence of approximately 95%.

-o0o-