



# PROCAL SERVICES SDN. BHD.

199801009597 (465725-K)

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SAMM 218

## CERTIFICATE OF CALIBRATION

**Certificate No.** : PS24103368

**Date of Issue** : 06 Feb 2024

**Issued By** : Procal Services Sdn Bhd

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**Customer** : A1 BEST ONE FOOD INDUSTRY SDN. BHD.  
18 , LORONG MAK MANDIN 5/3,  
KAWASAN PERINDUSTRIAN MAK MANDIN,  
13400 BUTTERWORTH PULAU PINANG MALAYSIA

**Instrument** : Temperature Gauge

**Calibration Date** : 06 Feb 2024

**Manufacturer** : UNIJIN

**Recalibration Date Specified By Customer** : 06 May 2025

**Model/Type** : -

Remark : The user should be aware that any numbers of factors may cause this instrument to drift out of calibration before the specified calibration interval has expired.

**Serial No** : 153378

**Capacity** : 0 ~ 150°C

### Calibration Environment Condition:

**Condition Upon Receiving** : Good Physical Condition

**Temperature** : 23.2 to 23.6 °C

**Condition Upon Returning** : The instrument has been calibrated. The results are as follows.

**Relative Humidity** : 52 to 56 %rh

**Calibration Method** : Internal Calibration Procedure(s) CM T003

**Calibration Venue** : This Instrument has been calibrated at Procal Services Sdn Bhd

**Measurement Uncertainty** : The reported expanded measurement uncertainty is stated as the standard measurement uncertainty multiplied by the coverage factor k such that the coverage probability corresponds to approximately 95% and have a coverage factor of k=2 unless stated otherwise.

### Reference Standard(s) Used :

Reference Standard Name	Serial No	Certificate No	Due Date	Accreditation No	Traceability
PRT SENSOR	PL086 (PL206)	NMIM-5801-T-22	14 Nov 2024	SAMM 261	NMIM(MY)

Calibrated By:

Taufiq

Approved Signatory:

S.L. Chan

This certificate is issued in accordance with the laboratory accreditation requirements of Skim Akreditasi Makmal Malaysia (SAMM) of Standards Malaysia which is a signatory to the ILAC MRA. The measurement results included in this document are traceable to Malaysia national measurement standards maintained by the National Metrology Institute of Malaysia (NMIM). NMIM is a signatory to the CIPM MRA. It provides traceability of measurement to the SI system of units and/or to units of measurement realised at the NMIM and other recognised national metrology institutes. The results of calibration performed by Procal Services Sdn Bhd apply to the particular equipment at the time of its test. They do not indicate or imply that Procal Services Sdn Bhd approves, recommends or endorses the manufacturers or suppliers or users of such equipment that Procal Services Sdn Bhd in any way guarantees the equipment's performance after calibration. Test/calibrations marked 'Not SAMM Accredited' in this report/certificate are not included in the SAMM Accreditation Schedule of our laboratory. Opinions and interpretations expressed herein are outside the scope of SAMM accreditation. Copyright of this certificate is owned by the issuing laboratory and may not be reproduced other than in full except with the prior written approval of the Head of the issuing laboratory.



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### Technical Information

Calibration range: 0 to 150°C

Type of sensor: Mechanical

Unit of measurement : °C (Otherwise stated)

### Calibration Results

Reference Value	Correction		Uncertainty (±)
	Before Adjustment	After Adjustment	
0.00	-2	-	1.3
30.00	-2	-	1.3
60.00	-2	-	1.3
90.00	-1	-	1.3
120.00	-1	-	1.3
150.00	0	-	1.3

Note 1: True Value = User Instrument Reading + Correction

Note 2: Interpolation=Reading in between 2 points may be derived by interpolate and plot a straight line graph where Temperature Reading (x-axis) vs Correction (y-axis).

Note 3: Uncertainty=Parameter, associated with the result of measurement, that characterises the dispersion of the value that reasonably be attributed to the measurand.

Note 4: Correction can be ignored if smaller than user specification, unless otherwise user shall apply to derive true value.

Note 5: To derive Measured Value=Temperature Reading-Correction.

Note 6: "Correction After Adjustment" is referred unless no value is indicated.