



PROCAL SERVICES SDN. BHD.

199801009597 (465725-K)

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CERTIFICATE OF CALIBRATION

Certificate No. : PS24125965

Issued By : Procal Services Sdn Bhd

Date of Issue : 21 Sep 2024

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Customer : A TASK SDN. BHD.
17 LORONG NAGASARI 22,
TAMAN NAGASARI,
13600 SEBERANG PERAI TENGAH PULAU PINANG

Instrument : Thermohygrometer

Manufacturer : -

Model/Type : HTC-1

Serial No : -

Capacity : -

Resolution : 0.1°C ; 1%rh

Condition Upon Receiving : Good Physical Condition

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

Calibration Method : Internal Calibration Procedure(s) CM T004

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
DATA LOGGER WITH SENSOR	PL208	NMIM-5048-T-22	19 Oct 2024	SAMM 261	NMIM(MY)
HUMIDITY CHAMBER	PL191	SM24109383	16 Feb 2025	SAMM 082	NMIM(MY)

Calibrated By:

Saiyiddi

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	Temperature	Humidity	Temperature	Humidity
Indicator Type:	Digital	Digital	Resolution:	0.1°C 1%rh
Calibration Range:	20~35°C	30~90%rh	Readability:	0.1°C 1%rh

Calibration Results

Calibration of Temperature Reading

Unit: °C

Temperature Reading	Correction	
	Before Adjustment	After Adjustment
20	-1.0	-
25	-0.5	-
30	-0.2	-
35	0.0	-

Uncertainty : \pm 0.70°C

Calibration of Humidity Reading at 23°C

Unit: %rh

Humidity Reading	Correction	
	Before Adjustment	After Adjustment
30	+6	-
50	+19	-
70	+22	-
90	+12	-

Uncertainty : \pm 5.0%rh

Note 1: Interpolation=Reading in between 2 points may be derived by interpolate and plot a straight line graph where Temperature / Humidity Reading (x-axis) vs Correction (y-axis).

Note 2: Uncertainty=Parameter, associated with the result of measurement, that characterises the dispersion of the value that reasonably be attributed to the measurand.

Note 3: To derive Measured Value=Temperature / Humidity Reading-Correction.

Note 4: "Correction After Adjustment" is referred unless no value is indicated.



Customer Confirmed Received

Name: Greece

Date: 27/9/24