



Certificate of Calibration

Certificate Number : SPR25100331-1

Page : 1 of 3

Customer : Center for Safety, Health and Environment of Chulalongkorn University
Chamchuri Building 1, Room 108, Phayathai Rd., Pathumwan,
Bangkok 10330

Equipment Name : Hot Wire Anemometer

Manufacturer : Exttech

Model : SDL350

Serial Number : A.050818

ID. Number : N/A

Environmental Conditions

Ambient Temperature : $23^{\circ}\text{C} \pm 2^{\circ}\text{C}$

Received Date : 22 Oct 2025

Relative Humidity : $50\% \pm 15\%$

Calibration Date : 23 Oct 2025

Location of Calibration : In-Lab

Recommend Due Date : 23 Oct 2026

Calibration Procedure : SP-CPM-04-10

Date of Issue : 24 Oct 2025

Method of Calibration

This certifies that the above instrument was calibrated in compliance with the calibration system requirement of ISO/IEC 17025:2017 in accordance with reference procedure. Standards used to perform this calibration are certified by to NIST or equivalent, National metrology institute, Natural physical constants, consensus standards. The result reported herein apply only to the calibration of the item described above as received. Our decision rule is to contact the customer if the item pass and fail calibration when the results include the uncertainties and the customer must determine if the results meets their needs.

The calibration certificate shall not be reproduced except in full, without written approval of SP Metrology System (Thailand).

Calibrated by : Mr. Tanawat Kaidao

Approved by

Calibration Officer



(Mr. Pootthipong A.)

Authorized Signatory

SP-FM-04-15 rev.0



Calibration Report

Certificate Number : SPR25100331-1

Page : 2 of 3

Reference Standards

| Equipment Name | Model | Serial No. | Certificate No. | Due. Date |
|-----------------------------|-----------|------------|-----------------|-------------|
| Barometer | MHB-382SD | AJ.52188 | SPR25020035-8 | 26 Feb 2026 |
| Air Flow Meter (Pitot Tube) | TA400 | 200600812 | L0-2501011/25 | 26 Jan 2026 |

Traceability

This certification is traceable to the International System of Unit maintained at :
SP Metrology - SP Metrology system (Thailand) Co.Ltd.

THC - Thai Heart Calibration Co.,Ltd.



Result of Calibration

Certificate Number : SPR25100331-1

Page : 3 of 3

Range : 0.2 to 25 m/s

Accuracy \pm : 5 %rdg

Unit : m/s

| Temperature (°C) | Barometric Pressure (hPa) | Standard Reading | UUC Reading | Error | Uncertainty (\pm) |
|-----------------------|-----------------------------------|---------------------|----------------|-------|--------------------------|
| 23.0 | 1006.0 | 2.52 | 2.58 | 0.06 | 0.25 |
| 23.0 | 1006.0 | 4.97 | 5.1 | 0.13 | 0.25 |
| 23.0 | 1006.0 | 9.97 | 9.8 | -0.17 | 0.32 |
| 23.0 | 1006.0 | 14.45 | 14.1 | -0.35 | 0.42 |

Note :

The result of calibration was found accurate as show on date and place of calibration only.
This Certificate is not certified for any commercial transaction.

Measurement Uncertainty

The reported uncertainty of measurement is the expanded uncertainty obtained by multiplying the standard uncertainty with the coverage factor $k = 2.00$, providing a level of confidence approximately 95 %

- End of Certificate -