

Calibration Certificate

Client Name: * * * * *
Client Address: * * * * *
Calibration Site: Meteorological Instrument Center,
Japan Meteorological Agency (JMA)
Calibration Item: * * * * *
Type and Serial Number: * * * * *
Manufacturer: * * * * *
Calibration Method: As shown in page 2
Calibration Conditions: Temperature * * °C - * * °C
Relative humidity * * % - * * %
Atmospheric pressure * * hPa - * * hPa
Calibration Results: As shown in page 2
Date of Application: * * * * *
Date of Performing Calibration: * * * * *
Date of issue: * * * * *

The issuing authority

Head, Meteorological Instrument Center
Observation Division, Atmosphere and Ocean Department
Japan Meteorological Agency
1-2 Nagamine Tsukuba-City Ibaraki, 305-0052, Japan

This certificate is based on article 144 of the Measurement Act and indicates the result of calibration in accordance with measurement standards traceable to Primary Measurement Standards (National Standards) which realizes the physical units of measurement according to the International System of Units (SI). The accreditation symbol is attestation of which the result of calibration is traceable to Primary Measurement Standards (National Standards).

The certificate shall not be reproduced except in full, without the written approval of the issuing laboratory. The calibration laboratory who issued this calibration certificate conforms to ISO/IEC 17025:2017. This calibration certificate was issued by the calibration laboratory accredited by IAJapan who is a signatory to the Mutual Recognition Arrangement (MRA) of International Laboratory Accreditation Cooperation (ILAC) and Asia Pacific Accreditation Cooperation (APAC). This (These) calibration result(s) may be accepted internationally through ILAC/APAC MRA.

Calibration method

- 1) The calibration item was calibrated with the reference standards of Meteorological Instrument Center, JMA.
- 2) The calibration item was performed in absolute pressure and the gas medium was dry air.
- 3) The calibration was performed at the calibration points in order from the highest to the lowest and in the reverse order. This process was repeated three times. Six one-minute data were collected at each calibration point. At each calibration point, the indication of the calibration item is the average of the six data.
- 4) The reference standards of Meteorological Instrument Center, JMA;
 - Pressure Balance: * * * *
 - Thermometer (Sensor): * * * *
 - Thermometer (Indicator): * * * *
 - Vacuum Gauge (Sensor): * * * *
 - Vacuum Gauge (Indicator): * * * *
- 5) The procedure used in the calibration was the standard operating procedure manual No.23 and No.24 of Meteorological Instrument Center, JMA.

Calibration results

Calibration point (pressure) (hPa)	Indication of the Calibration item (pressure) (hPa)	Expanded uncertainty (hPa)
50.00	* * *	* * *
100.00	* * *	* * *
200.00	* * *	* * *
300.00	* * *	* * *
400.00	* * *	* * *
500.00	* * *	* * *
600.00	* * *	* * *
800.00	* * *	* * *
900.00	* * *	* * *
1000.00	* * *	* * *
1050.00	* * *	* * *

Notes

- 1) The calibration point in the calibration results is the pressure at the reference level (* * * *) of the calibration item.
- 2) The reported expanded uncertainty is stated as the combined standard uncertainty multiplied by the coverage factor $k = 2$, which for a normal distribution corresponds to a coverage probability of approximately 95 %.

-End of the Certificate-