



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

Perry Johnson Laboratory Accreditation, Inc. has assessed the Laboratory of:

HAT Co., Ltd. Akishima Calibration Room
O-yu-haitsu 1F, 2-39-1 Miyazawa-cho Akishima-shi, Tokyo 196-0024

(Hereinafter called the Organization) and hereby declares that Organization is accredited in accordance with the recognized International Standard:

ISO/IEC 17025:2017

This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (as outlined by the joint ISO-ILAC-IAF Communiqué dated April 2017):

Mechanical Calibration
(As detailed in the supplement)

Accreditation claims for such testing and/or calibration services shall only be made from addresses referenced within this certificate. This Accreditation is granted subject to the system rules governing the Accreditation referred to above, and the Organization hereby covenants with the Accreditation body's duty to observe and comply with the said rules.

For PJLA:

Tracy Szerszen
President

Initial Accreditation Date:

October 23, 2023

Issue Date:

October 23, 2023

Expiration Date:

December 31, 2025

Accreditation No.:

122657

Certificate No.:

L23-776

Perry Johnson Laboratory
Accreditation, Inc. (PJLA)
755 W. Big Beaver, Suite 1325
Troy, Michigan 48084

The validity of this certificate is maintained through ongoing assessments based on a continuous accreditation cycle. The validity of this certificate should be confirmed through the PJLA website: www.pjlabs.com



Certificate of Accreditation: Supplement

HAT Co., Ltd. Akishima Calibration Room

O-yu-haitsu 1F, 2-39-1 Miyazawa-cho Akishima-shi, Tokyo 196-0024

Contact Name: Tadashi Otokuni Phone: 042-519-7825

Accreditation is granted to the facility to perform the following calibration:

Mechanical

MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE OR NOMINAL DEVICE SIZE AS APPROPRIATE	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (\pm)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED
Barometric pressure gauge (low pressure) ^F	1 kPa to 1 000 kPa	0.05 % of reading	'Calibration Procedures (Pressure Gauge Air)' (7.2-04) On the basis of: JIS B 7547-1 Digital Pressure Gauge ADT686-02-GP150-BAR-B-DL Test Pump ADT914A
Barometric pressure gauge (high pressure) ^F	0.1 MPa to 7 MPa	0.14 % of reading	'Calibration Procedures (Pressure Gauge Air)' (7.2-04) On the basis of: JIS B 7547-1 and 2 Digital Pressure Gauge ADT686-02-GP2K-BAR-B-DL Test Pump ADT919A
Fluid pressure gauge ^F	0.1 MPa to 100 MPa	0.25 % of reading	'Calibration Procedures (Pressure Gauge Oil)' (7.2-05) On the basis of: JIS B 7547-1 and 2 Digital Pressure Gauge ADT686-05-GP15K-BAR-B-DL Test Pump ADT946A



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HAT Co., Ltd. Akishima Calibration room

O-yu-haitsu 1F, 2-39-1 Miyazawa-cho Akishima-shi, Tokyo 196-0024

Contact Name: Tadashi Otokuni Phone: 042-519-7825

Accreditation is granted to the facility to perform the following testing:

Mechanical

MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE OR NOMINAL DEVICE SIZE AS APPROPRIATE	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (\pm)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED
Barometric pressure gauge (low pressure) ^F	0.145 psi to 145.037 psi	0.05 % of reading	'Calibration Procedures (Pressure Gauge Air)' (7.2-04) On the basis of: JIS B 7547-1 Digital Pressure Gauge ADT686-02-GP150-BAR-B-DL Test Pump ADT914A
Barometric pressure gauge (high pressure) ^F	14.503 psi to 1 015.26 psi	0.14 % of reading	'Calibration Procedures (Pressure Gauge Air)' (7.2-04) On the basis of: JIS B 7547-1 and 2 Digital Pressure Gauge ADT686-02-GP2K-BAR-B-DL Test Pump ADT919A
Fluid pressure gauge ^F	14.503 psi to 14 503.7psi	0.25 % of reading	'Calibration Procedures (Pressure Gauge Oil)' (7.2-05) On the basis of: JIS B 7547-1 and 2 Digital Pressure Gauge ADT686-05-GP15K-BAR-B-DL Test Pump ADT946A

1. The CMC (Calibration and Measurement Capability) stated for calibrations included on this scope of accreditation represent the smallest measurement uncertainties attainable by the laboratory when performing a more or less routine calibration of a nearly ideal device under nearly ideal conditions. It is expressed at a confidence level of 95 % using a coverage factor k (usually equal to 2). The actual measurement uncertainty associated with a specific calibration performed by the laboratory will typically be larger than the CMC for the same calibration since capability and performance of the device being calibrated and the conditions related to the calibration may reasonably be expected to deviate from ideal to some degree.
2. The laboratories range of calibration capability for all disciplines for which they are accredited is the interval from the smallest calibrated standard to the largest calibrated standard used in performing the calibration. The low end of this range must be an attainable value for which the laboratory has or has access to the standard referenced. Verification of an indicated value of zero in the absence of a standard is common practice in the procedure for many calibrations but by its definition it does not constitute calibration of zero capacity.
3. The presence of a superscript F means that the laboratory performs calibration of the indicated parameter at its fixed location. Example: Outside Micrometer ^F would mean that the laboratory performs this calibration at its fixed location.