



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

HUMANETICS INNOVATIVE SOLUTIONS JAPAN NAGOYA TECHNICAL CENTER

93 Terano-Motomachi Kiyosu, Aichi 452-0908

*and hereby declares that the Organization is accredited in accordance with
the recognized International Standard:*

ISO/IEC 17025:2017

Whereby, technical competence has been confirmed for the associated scope supplement, in the fields of:

***Dimensional Calibration, Mass, Force and Weighing Devices Calibration,
Mechanical Calibration, Acoustic Calibration
(As detailed in the supplement)***

Accreditation claims for conformity assessment activities shall only be made from the addresses referenced within this certificate and shall apply solely to those activities identified in the related scope.

This Accreditation is granted subject to the Accreditation Body rules governing the Accreditation referred to above, and the Organization hereby commits to observing and complying with those rules in their entirety.

For PJLA:

Tracy Szerszen
President

<i>Initial Accreditation Date:</i> July 16, 2019	<i>Issue Date:</i> February 26, 2025	<i>Expiration Date:</i> March 31, 2027
<i>Revision Date:</i> March 3, 2025	<i>Accreditation No.:</i> 94011	<i>Certificate No.:</i> L25-154-R1

*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.pjllabs.com*

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



Certificate of Accreditation: Supplement

HUMANETICS INNOVATIVE SOLUTIONS JAPAN NAGOYA TECHNICAL CENTER

93 Terano-Motomachi Kiyosu, Aichi 452-0908
Contact Name: Takuya Iwamura Phone: 052-401-7501

Accreditation is granted to the facility to perform the following conformity assessment activities:

FIELD OF CALIBRATION	MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	EXPANDED MEASUREMENT UNCERTAINTY (±)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	FLEX CODE	LOCATION OF ACTIVITY
Dimensional	String potentiometer	0.78 mm to 45 mm	0.005 8 mm/mm + 0.26 mm	IH-170	String Potentiometer Calibration Procedure (CL-PR-10016N(J))	F1, F3	F
Dimensional	Linear potentiometer	2.49 mm to 72 mm	0.012 mm/mm + 0.83 mm	180-3881	Linear Potentiometer Calibration Procedure (CL-PR-10017N(J))	F1, F3	F
Dimensional	Linear potentiometer	8.4 mm to 105 mm	0.027 mm/mm + 2.8 mm	472-4750-R4	IR-TRACC Calibration Procedure (CL-PR-10020N(J))	F1, F3	F
Dimensional	Chest potentiometer	-10 mm to 90 mm	0.006 0 mm/mm + 0.54 mm	880995-365	H3 Chest Potentiometer Calibration Procedure (CL-PR-10014N(J))	F1, F3	F
Dimensional	Rotary potentiometer	-75 ° to 75 °	0.007 7 deg/deg + 1.2 deg	RP3670-12/RP6790	Rotary Potentiometer Calibration Procedure (CL-PR-10019N(J))	F1, F3	F
Dimensional	Tilt sensor	-45 ° to 45 °	0.002 4 deg/deg + 0.22 deg	IES3120	Tilt Sensor Calibration Procedure (CL-PR-10036N(J))	F1, F3	F



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Mass, Force, and Weighing Devices	Load Cell (Force)	200 lbf to 6 000 lbf	0.002 2 lbf/lbf + 13 lbf	1110FMQ-10K-T	Load Cell Calibration Procedure (CL-PR-10012N(J))	F1, F3	F
Mechanical	Load Cell (Moment of Force)	200 lbf•in to 6 000 lbf•in	0.003 4 lbf•in/lbf•in + 20 lbf•in	1110FMQ-10K-T	Load Cell Calibration Procedure (CL-PR-10012N(J))	F1, F3	F
Mass, Force, and Weighing Devices	Load Cell (Force)	200 lbf to 10 000 lbf	0.002 3 lbf/lbf + 23 lbf	1110FMQ-10K-T	Load Cell Calibration Procedure (CL-PR-10032N(J))	F1, F3	F
Mechanical	Load Cell (Moment of Force)	200 lbf•in to 25 000 lbf•in	0.005 6 lbf•in/lbf•in + 140 lbf•in	1110FMQ-10K-T	Load Cell Calibration Procedure (CL-PR-10032N(J))	F1, F3	F



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Acoustic	Accelerometer	Voltage sensitivity mV/(m/s ²) Accelerometer output \geq 0.01 mV					
		5 Hz to 10 Hz	1.0 % of reading	353B17	Accelerometer Calibration Procedure using SPEKTRA (CL-PR-10065N(J))	F1, F3	F
Acoustic	Accelerometer	10 Hz to 20 Hz	0.70 % of reading	353B17	Accelerometer Calibration Procedure using SPEKTRA (CL-PR-10065N(J))	F1, F3	F
Acoustic	Accelerometer	20 Hz to 1 kHz	0.50 % of reading	353B17	Accelerometer Calibration Procedure using SPEKTRA (CL-PR-10065N(J))	F1, F3	F
Acoustic	Accelerometer	1 kHz to 5 kHz	0.70 % of reading	353B17	Accelerometer Calibration Procedure using SPEKTRA (CL-PR-10065N(J))	F1, F3	F
Acoustic	Accelerometer	5 kHz to 10 kHz	1.5 % of reading	353B17	Accelerometer Calibration Procedure using SPEKTRA (CL-PR-10065N(J))	F1, F3	F
Acoustic	Accelerometer	10 kHz to 15 kHz	2.0 % of reading	353B17	Accelerometer Calibration Procedure using SPEKTRA (CL-PR-10065N(J))	F1, F3	F
Acoustic	Accelerometer	15 kHz to 20 kHz	3.0 % of reading	353B17	Accelerometer Calibration Procedure using SPEKTRA (CL-PR-10065N(J))	F1, F3	F