International Accreditation Japan

Information on Accredited Calibration Laboratory

Date of the update of the information : 2026-09-25

Accreditation Identification:	ASNITE 0013 Calibration
Name of Calibration Laboratory :	Measurement & Calibration Center, Toyota Technical Development Corporation
Location of Calibration Laboratory :	1 Toyota-cho, Toyota-shi, Aichi 471-8571, JAPAN
Name of Legal Entity:	Toyota Technical Development Corporation
Conformance Accreditation Standard:	ISO/IEC 17025:2017
Expiry Date of Accreditation :	2027-04-24

Effective Date of Accreditation: 2023-04-25

General Field of Calibration: Calibration of Noise test facilities and Emission test facilities
Date of Initial Accreditation of the Field: 2005-12-26
Laboratory's permanent facility/On-site Calibration: Laboratory's permanent facility, On-site Calibration
Calibration and Measurement Capabilities

Calibration Procedures# and Type of Instruments/Materials to be calibrated		Range			Expanded Uncertainty (Level of Confidence Approximately 95 %)
Noise test facilities	Sound level meter (permanent laboratory)	Frequency characteristic of Electrical network		20 Hz to 12500 Hz	0.1 dB
	Level recorder (permanent laboratory)	Error of record		31.5 Hz to 8000 Hz	0.32 dB
		Speed of paper feeding		3 mm/s	0.19 %
	Engine tachometer (permanent laboratory)	Error of tachometer indication		1000 r/min to 6000 r/min	1 r/min
		Error of changing the number of cylinders		1000 r/min	
	Mechanical wind speed meter (permanent laboratory)	Wind speed indication		3 m/s to 5 m/s	0.60 m/s
Emission test facilities	Exhaust gas Analyser/CVS (on-site)	Calibration curve	THC meter	0 ppmC to 500 ppmC	1.7 %
			HC meter	0 ppmC to 1000 ppmC	
			CH_4 meter	0 ppmC to 20 ppm	
			CO meter	0% to 20 %	
			CO_2 meter	0 % to 20 %	
			NO_x meter	0 ppm to 500 ppm	
		Propane shot		3 m^3/min to 20 m^3/min	0.8 %
	Driver's aid (on-site)	Linearity		0 km/h to 140 km/h	0.1 km/h
	Pen recorder (on-site)	Linearity		0 V to 1 V	0.16 %
		Paper feeding time		600 mm/min	0.39 %
	Chassis dynamometer (on-site)	Engine tachometer	Indication	0 r/min to 10000 r/min	0.012 % F.S.
			Output 1 V		0.082 % F.S.
			Output 10 V		0.086 % F.S.
		Vacuum gauge	Indication	- 80 kPa to 80 kPa	0.35 % F.S.
			Output 1 V		0.36 % F.S.
			Output 10 V		0.36 % F.S.
		Speed meter	Indication	0 km/h to 200 km/h	0.029 % F.S.
			Output 1 V		0.082 % F.S.
			Output 10 V		0.082 % F.S.
			Pulse	0 km/h to 140 km/h	0.6 km/h
		Speed linkage cooling fan		20 km/h to 60 km/h	3.8 km/h
		Braking and driving force meter	Indication	0 N to 10000 N	0.15 % F.S.
			Output 1 V		0.17 % F.S.
			Output 10 V		0.17 % F.S.
	Evaporative emission test facilities (on-site)	Calibration curve	THC meter	0 ppmC to 500 ppmC	1.7 %
		Capacity check		0 m^3 to 100 m^3	0.75 %

#All Calibration Procedures are in-house procedures developed by this laboratory.

Effective Date of Accreditation: 2023-04-25

General Field of Calibration: Acceleration
Date of Initial Accreditation of the Field: 2025-11-28
Laboratory's permanent facility/On-site Calibration: Laboratory's permanent facility
Calibration and Measurement Capabilities

Calibration Procedures# and Type of Instruments/Materials to be calibrated		Calibration Range	Expanded Uncertainty (Level of Confidence Approximately 95 %)
Centrifugal Acceleration Measuring Equipment, etc.	Accelerometer applicable to centrifugal calibration based on ISO 16063-17 (Voltage Ratio Sensitivity)	980.7 m/s^2	0.6 %
		1961 m/s^2	0.5 %
		4903 m/s^2	0.5 %
		9807 m/s^2	0.5 %

#All Calibration Procedures are in-house procedures developed by this laboratory.

(End of Attachment)