



International Accreditation Japan

Information on Accredited Calibration Laboratory

Date of the update of the information : 2026-04-01

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 facilitiesDate of Initial Accreditation of the Field: 2005-12-26Laboratory's permanent facility/On-site Calibration: Laboratory's permanent facility, On-site CalibrationCalibration 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			
	Speed meter (on-site)	Length between detectors	2 m	1.1 mm		
Indication of speed meter		20 km/h to 100 km/h	0.09 km/h			
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.
					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.
					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.	
	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.		
			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: AccelerationDate of Initial Accreditation of the Field: 2025-11-28Laboratory's permanent facility/On-site Calibration: Laboratory's permanent facilityCalibration 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 %

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(End of Attachment)