



NA Caltechnologies Co., Ltd.
75/107 Moo 11, Klong Nueng, Klongluang,
Pathumthani 12120 Thailand, Tel. +66(2)529-2460
Email: sales-cal@nacal.co.th



Rev. 12 (January 2023)

Scopes of Calibration and Accreditation

Field of Calibration	Properties of Measured / Equipment Under Calibration	Capability Range	Calibration Methods	ISO/IEC 17025 Accredited by		ISO/IEC 17025 Accredited by	
				ONSC-TISI (Thailand)		ANAB (USA)	
				LAB	ON-SITE	LAB	ON-SITE
Torque	Torque Tools (Setting / Indicating Types)	0 - 1,000 N.m > 1,000 - 1,500 N.m	ISO 6789 : 2003				
	- Torque Screw Driver			Yes	-	Yes	Yes
	- Torque Driver			Yes	-	Yes	Yes
	- Torque Wrench			Yes	-	Yes	Yes
	- Torque Gauge			Yes	-	Yes	Yes
	- Digital Torque Screw Driver			Yes	-	Yes	Yes
	- Digital Torque Driver			Yes	-	Yes	Yes
	- Digital Torque Wrench			Yes	-	Yes	Yes
	Torque Gauge	Up - 150 cN.m	Arm and Weight Set				
	- Digital Torque Gauge			-	-	Yes	Yes
	- Analog Torque Gauge			-	-	Yes	Yes
	Torque Meters, Transducers	Up - 1,500 N.m	Arm and Weight Set				
	- Digital Torque Tester			-	-	Yes	Yes
	- Digital Torque Meter			-	-	Yes	Yes
	- Digital Torque Analyzer			-	-	Yes	Yes
	- Mechanical Torque Tester			-	-	Yes	Yes
	- Torque Transducer with Indicator			-	-	Yes	Yes
	AC Servo Nutrunner	Up - 200 kgf.cm	Arm and Weight Set (Cal. Static Mode)				
	- Rotary Torque			-	-	Yes	Yes
Force	Push-Pull Scales	0 - 1,000 kgf	Standard Weights and Force Transducer				
	- Push-Pull Scale			Yes	-	Yes	Yes
	- Push-Pull Gauge			Yes	-	Yes	Yes
	Force Gauges	0 - 1,000 kgf	Standard Weights and Force Transducer				
	- Digital Force Gauge			Yes	-	Yes	Yes
	- Digital Pull Tester			Yes	-	Yes	Yes
	- Force Gauges (With load cell sensor)			Yes	-	Yes	Yes
	- Load Cell with Indicator			Yes	-	Yes	Yes
	Tension Gauges	0 - 100 kgf	Standard Weights				
	- Tension Gauges			Yes	-	Yes	Yes
	- Digital Tension Gauges			Yes	-	Yes	Yes
	Dial Tension Gauges	0 - 1,000 gf	Standard Weights				
	- Dial Tension Gauges			Yes	-	Yes	Yes
	- Digital Dial Tension Gauges			Yes	-	Yes	Yes
	Wire Tension Meters	0 - 30 kgf	Standard Weights				
	- Tension Meters			-	-	Yes	Yes
	- Wire Tension Meters			-	-	Yes	Yes
	Tensile Testing Machine	0 - 100 kN	Comparison measurement with Force Standard				
	- Tensile Testing M/C			-	-	Yes	Yes
	- Universal Tensile Testing M/C			-	-	Yes	Yes
	- Auto Graph			-	-	Yes	Yes
	- Automatic Spring Tester			-	-	Yes	Yes
	- Tensile Tester			-	-	Yes	Yes
	- Compression Tester			-	-	Yes	Yes
	Screen Tension Gauges	Up to 100 N/cm	DIN E 16611				
	- Screen Tension Gauges			-	-	Yes	Yes
	- Belt Tension Gauges			-	-	Yes	Yes
Pressure	Pressure / Vacuum Gauges (All Classes)	-14 to 10,000 psi or equivalent units	Pressure Calibrator, DKD-R 6-1				
	- Bourdon Tube Pressure Gauge			-	-	Yes	Yes
	- Digital Pressure Gauge			-	-	Yes	Yes
	- Analog Type Compound Gauge			-	-	Yes	Yes
	- Digital Type Compound Gauge			-	-	Yes	Yes
	- Digital Test Gauge			-	-	Yes	Yes
	- Differential Pressure Gauge			-	-	Yes	Yes
	- Analog Type Vacuum Gauge			-	-	Yes	Yes
	- Digital Type Vacuum Gauge			-	-	Yes	Yes
	- Manometer			-	-	Yes	Yes
	- Digital Manometer			-	-	Yes	Yes
	- Pressure Calibrator			-	-	Yes	Yes
	- Digital Test Gauge			-	-	Yes	Yes
	- Test Gauge			-	-	Yes	Yes
	- Standard Test Gauge			-	-	Yes	Yes
	- Pressure Module			-	-	Yes	Yes
	- Standard Pressure Module			-	-	Yes	Yes
	- Barometers	(50 to 110) kPa	DKD-R 6-1	-	-	Yes	Yes
	Absolute Pressure Gauge	-14 to 10,000 psi or equivalent units	Pressure Calibrator, DKD-R 6-1				
	- Absolute Pressure Gauge			-	-	Yes	Yes
	- Pirani Gauge			-	-	Yes	Yes
Pressure	Pressure Transmitter / Pressure Transducer	-14 to 10,000 psi or equivalent units	DKD-R 6-1				
	- Mechanical Type (Output DCV, DCA)			-	-	Yes	Yes
	- Electronic Type (Output DCV, DCA)			-	-	Yes	Yes
Hardness	Durometers	All Types	JIS K 6253, ASTM D 2240, ISO 868, and Maker test methods				
	- Durometer			-	-	Yes	Yes
	- Digital Durometer			-	-	Yes	Yes
	- Digimatic Durometer			-	-	Yes	Yes
	- Shore Durometer			-	-	Yes	Yes
	- Rubber Hardness Tester			-	-	Yes	Yes
	- Duro Hardness Tester			-	-	Yes	Yes
	Micro Vicker Hardness Testing Machines (Site calibration) - Indirect Verification	≤ 225 HV1 (400 to 600) HV1 ≥ 700 HV1	Standard Hardness Blocks				
				-	-	Yes	Yes
	Rockwell Hardness Testing Macines (Site calibration) - Indirect Verification	(10 to 70) HRC (10 to 45) HRBW (45 to 80) HRBW (80 to 100) HRBW	Standard Hardness Blocks				
				-	-	Yes	Yes

Yes = Accredited ISO/IEC 17025
- = Not accredited scopes of ISO/IEC 17025



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				LAB	ON-SITE	LAB	ON-SITE
Air Flow	Air Velocity	Up to 35 m/s	Wind Tunnel Standard Anemometer				
	- Air Velocity Meter			-	-	Yes	Yes
	- Annemometer			-	-	Yes	Yes
	Mass Flow Rate (Gas)	Up to 500 L/min	Flow Calibrator				
	- Mass Flow Rate Meter			-	-	Yes	Yes
				-	-	Yes	Yes
	Volumetric Flow Rate (Gas)	Up to 592 g/min	Flow Calibrator				
	- Mass Flow Rate Meter			-	-	Yes	Yes
				-	-	Yes	Yes

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