

THAI METROLOGY CALIBRATION



Address : 179/88-89 Nawongpattana Road See-gun,
Don Mueang, Bangkok 10210

TEL: (+66) 02-978-6381

FAX: (+66) 02-978-6383

E-mail: info@thaimetrology.com



ISO/IEC17025

NSC-TISI-TIS 17025
CALIBRATION 0257

THAI METROLOGY CALIBRATION



Calibration laboratory for industrial
measuring instruments and scales.

ISO/IEC 17025:2005

Accreditation No. CALIBRATION 0257

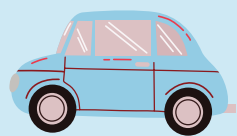


SCOPE OF CALIBRATION

IN
LABORATORY

LISTS

- Small Tools, Gauge Block, Limit Gauge, Height Master
- Caliper Checker, Dial Gauge Tester, Precision Level
- Weight Class F1, F2, M1
- Torque Wrench, Push Pull, Force Gauge
- Air Chamber (Oven, Incubator, Refrigerator, Freezer)
- Multi Meter, Clamp Meter, Watt Meter
- Liquid in glass Thermometer (LIG)
- Volumetric Glassware
- Piston Pipet (Micro Pipet)



ON
SITE

LIST

- Gauge Block Comparator (ON-Site)

IN-LAB
ON-SITE

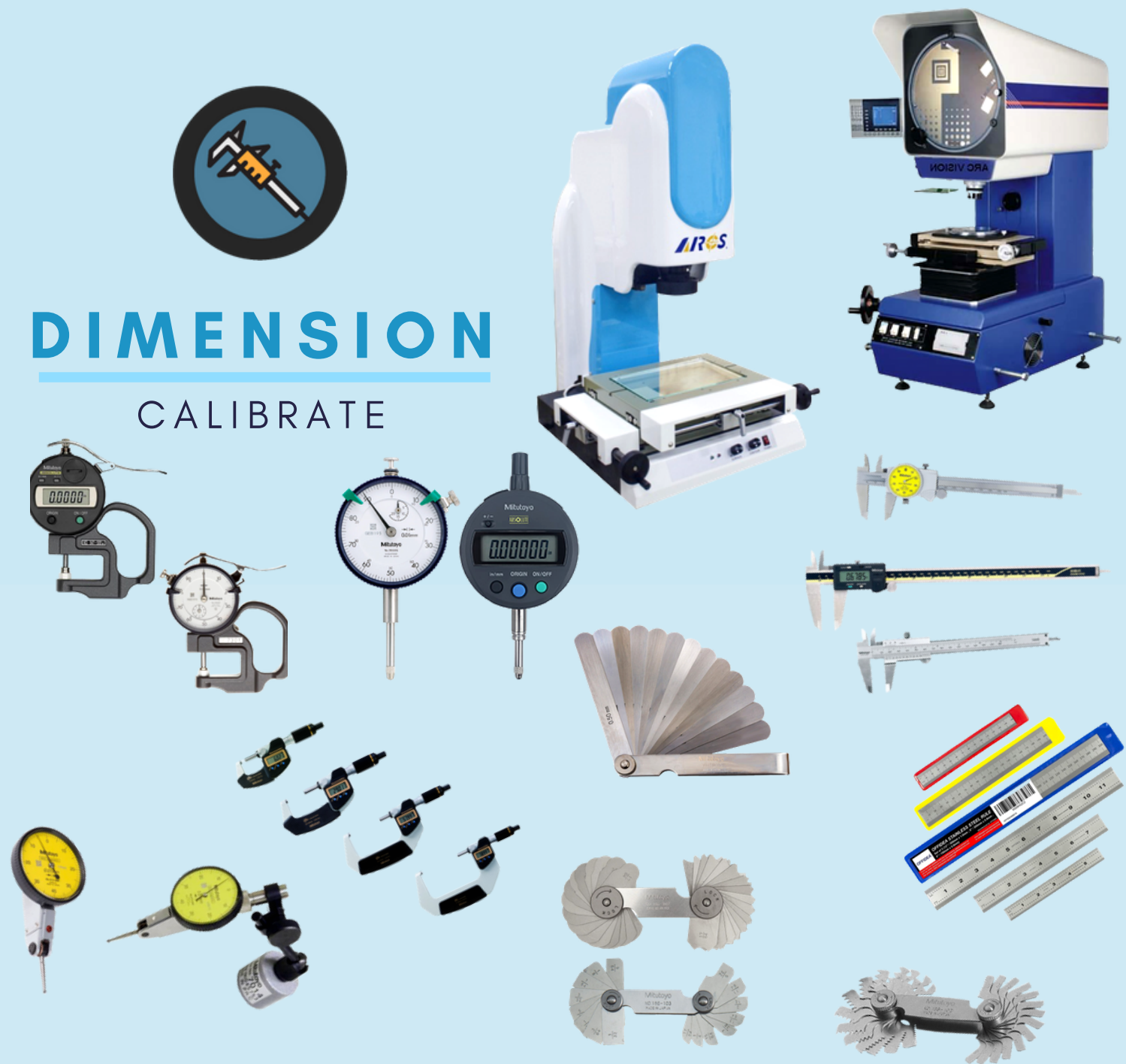


LISTS

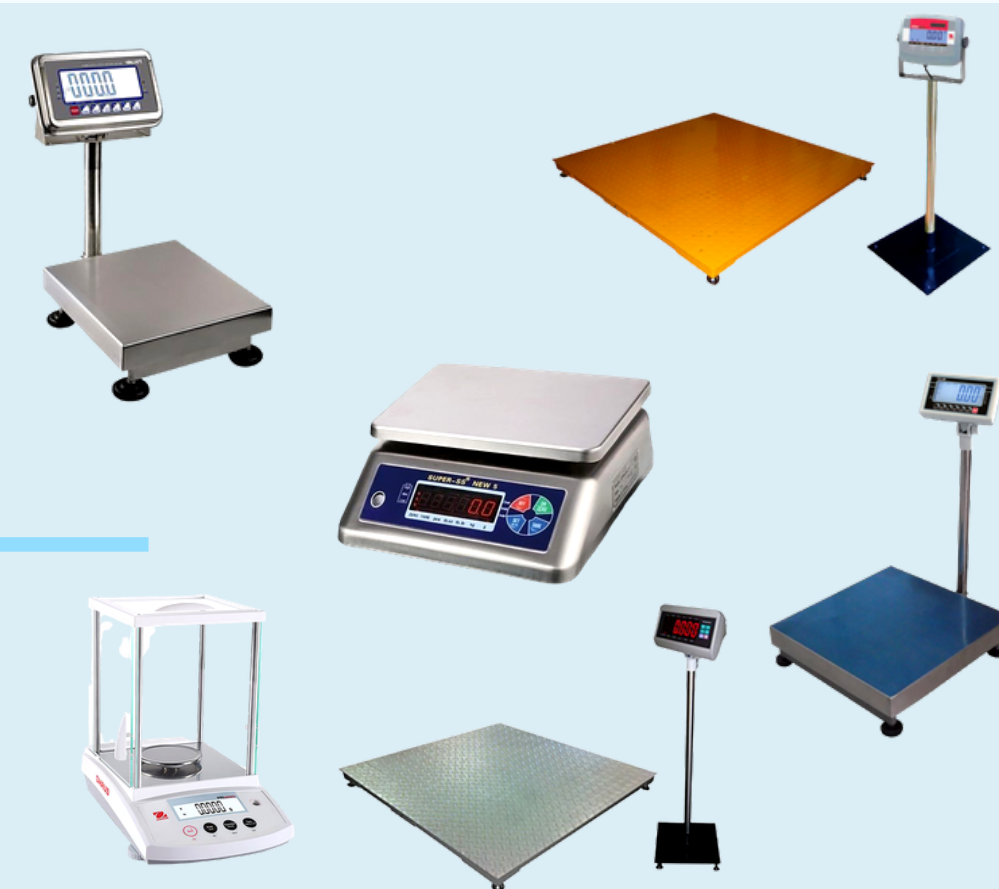
- Surface Plate (In-Lab, On-Site)
- Linear Scale, CMM, ULM (In-Lab, On-Site)
- Balance (In-Lab, On-Site)
- Pressure Gauge, Vacuum Gauge (In-Lab, On-Site)
- Autoclave, Water Bath (In-Lab, On-Site)
- Temperature, pH Meter (In-Lab, On-Site)



DIMENSION CALIBRATE



MASS CALIBRATE



ROCKWELL HARDNESS CALIBRATE



SCOPE OF CALIBRATION

IN LAB

	Dimension (Small Tools)	Measuring Range
T1	Outside micrometer	0 mm to 1000 mm
T2	Inside micrometer	0 mm to 1000 mm
T3	Caliper	0 mm to 1000 mm
T4	Setting rod, Extension rod	25 mm to 1000 mm
T5	Height Gauge	0 mm to 1000 mm
T6	Dial Gauge	0 mm to 100 mm
T7	Digital Indicator	0 mm to 50 mm
T8	Dial test indicator	0 mm to 2 mm
T9	Depth Gauge	0 mm to 600 mm
T10	Depth micrometer	0 mm to 300 mm
T11	Exchanging spindle	0 mm to 1000 mm
T12	Thickness Gauge	0 mm to 50 mm
T13	Feeler Gauge	0 mm to 3 mm
T14	Electrical Comparator & probe , (Mu Checker , Millitron)	Linear type , 0 mm to 2mm ,Comparator type , +- 50 mm
T15	Caliper Gauge	0 to 50 mm
T16	Bore Gauge (Cyrinder Gauge)	6 to 100 mm
T17	Three point micrometer , Holtest	4.5 mm to 50 mm
T18	Taper Gauge (scale type)	All range
T19	Measuring Foil Standard	All range
T20	Steel Ruler	0 mm to 2 m
T21	Steel Tape , Textile Tape	0 mm to 50 m
T22	Micrometer Head	0 mm to 50 mm
T23	Dial Gauge Tester	0 mm to 25 mm
T24	Caliper Checker	0 mm to 300 mm
T25	Height master	0 mm to 600 mm
T26	Riser block	0 mm to 600 mm
T27	Depth micro checker	0 mm to 300 mm
T28	Check Master	0 mm to 600 mm
T29	Gauge block holders , base measuring plain jaws	All range
T30	Precision level	-1 mm/mm to 1 mm/mm
T31	Straight Edge	All range
T32	Gauge Block	0.5 mm to 100 mm
T33	Plug Gauge	0.1 mm to 100 mm
T34	Thread plug Gauge	M1.4 to M64/pitch 3.5mm
T35	Pin Gauge	0.1 mm to 100 mm
T36	Thread measuring wire (3 wire)	0.1 mm to 100 mm
T37	Taper plug gauge	0 mm to 120 mm
T38	Ring gauge	1.7 mm to 90 mm
T39	Thread ring gauge	M3.5 to M50 , pitch 3.5 mm
T40	Snap gauge, Gap gauge	0 mm to 90 mm
	Surface Plate (In-Lab)	Measuring Range
T42	Grannite , Cast Iron	Gauge block holders , base measuring plain jaws
T43	Adjustment (granite)	All range (min 2000/pc)
	Balance (In-Lab)	Measuring Range
T44	Electronic Balance	1 mg to 6000 kg / readability
T45	Mechanic Balance , Electronic Balance (readability >1mg)	0.001 mg to 1 mg
	Standard Weight	Measuring Range
T46	Stainless Weight Class F1	50 mg to 20 kg
T47	Stainless Weight Class F2	1 mg to 20 kg
T48	Cast Iron,Brass,Brass and nickel silver weight M1	1 mg to 20 kg
	Pressure & Vacuum Gauge (In-Lab)	Measuring Range
T49	Pressure Gauge, Vacuum Gauge	-11.6 psi to 1000 psi
T50	Pressure Indicator, Digital Gauge	0 psi to 8700 psi
T51	Pressure Transmitter, Switch	or -0.8 bar to 700 bar
	Volumetric	Measuring Range
T52	Volumetric Flask	2 ml to 2000 ml
T53	Volumetric Pipet	0.5 ml to 100 ml
T54	Cylinder	5 ml to 2000 ml
T55	Buret	5 ml to 100 ml
T56	Measuring Pipet	0.1 ml to 50 ml
T57	Dispenser	1 ml to 60 ml
T58	Beaker	up to 2000 ml
T59	Digital Buret	All range
T60	Micro Syringe	All range (Test 3 points)
T61	Piston Pipet (Fix Point)	1 µl to 10 ml
T62	Piston Pipet (Variable range)	1 µl to 10 ml
T63	Piston Pipet (Multi channal)	1 µl to 10 ml
T64	BOD Bottle	All range
T65	Pycnometer	All range
T66	Erlenmeyer Flask	All range
	Torque Wrench	Measuring Range
T67	Toque wrench	4lbf.in to 1000 lbf.in or 0.452 Nm to 1356 Nm
	Force	Measuring Range
T68	Push Pull Gauge, Porce Gauge	0 to 50 kgf (490N)
	Durometer	Measuring Range
T68	Durometer	Type A ,B ,O ,C ,D ,Do ,S
	Temperature (In-Lab)	Measuring Range
T69	Liquid in glass thermometer (LIG)	-30 °C to 200 °C
T70	MIG thermometer	80 °C to 135 °C
T71	Digital thermometer ,Temperature controller	-30 °C to 400 °C
T72	Recorder and Indicator with probe	-30 °C to 400 °C
T73	Dial thermometer	-30 °C to 400 °C
T74	Dry block calibrator	-30 °C to 400 °C
T75	Water bath	10 °C to 100 °C
T76	Air chamber (Oven, Incubator, Freezer)	-20 °C to 200 °C
T77	Autoclave	105 °C to 135 °C
T78	Salt Spray	-20 °C to 200 °C
T79	Temperature Indicator (test 5 point)	All range
T80	Thermocouple	-30 °C to 400 °C



Temperature (In-Lab)

T81	RTD (2 , 3 , 4 wire)	-30 °C to 400 °C
T82	Temperature transmitter	-30 °C to 400 °C
T83	Furnace	0 °C to 1000 °C
T84	COD Reactor	-20 °C to 200 °C

Analysical

		Measuring Range
T85	pH meter	pH 4 , 7 , 10
T86	pH meter (Not Accredited)	pH 4 , 7 , 10
T87	Conductivity meter	All range
T88	Hydrometer	0.8 to 1.8 (Test 3 point)

Thermo-Hygro

		Measuring Range
T89	Thermo-Hygrometer	10 °C to 40 °C / 28%RH to 90 %RH
T90	Thermo-Hygrograph	10 °C to 40 °C / 28%RH to 90 %RH

Electrical

		Measuring Range
T91	Multi meter DCV	0 to +1000 V
T92	Multi meter ACV	30 mV to +1000 V
T93	Multi meter DCA	0 to +10 A
T94	Multi meter ACA	0.033 mA to 10 A
T95	Resistance	0 to 300 MΩ
T96	Clamp meter DC Hight Current	0.33 A to 500A
T97	Clamp meter AC Hight Current	3.3 A to 500A
T98	Capacitance meter	0.33 nF to 1.1 mF
T99	Frequency (Amplitude 3V)	120 Hz to 100 kHz
T100	Watt meter DC Power	1.089 w to 10 kw
T101	Watt meter AC Power	1.089 w to 10 kw
T102	RTD indicator	-200 °C to 650 °C

Barometer

		Measuring Range
T103	Barometer	750 mbar to 1100 mbar
T104	Barograph	950 mbar to 1040 mbar



ON SITE

	Dimension (small tools)	Measuring Range
M1	ULM (On-site)	0 mm to 200 mm
M2	Gauge Block Comparator	0.5 mm to 100 mm
	Linear Scale with indicator (On-site)	Measuring Range
M3	CMM , CNC , Lay out machine	0 mm. to 15000 mm.
M4	Profile Projector	0 mm. to 250 mm.
M5	Hardness Tester	HRA, HRB, HRC
M6	Measuring Microscope	0 mm. to 300 mm.
	Surface Plate (On-site)	Measuring Range
M7	Grannite , Cast Iron	150 mm to 3000 mm (min 3000/pc)
M8	Adjustment (granite)	All range (min 2000/pc)
	Balance (On-site)	Measuring Range
M9	Electronic Balance	1 mg to 6000 kg / readability
M10	Mechanic Balance , Electronic Balance (readability >1mg)	0.001 mg to 1 mg
	Pressure & Vacuum Gauge (On-site)	Measuring Range
M11	Pressure Gauge, Vacuum Gauge	-11.6 psi to 1000 psi
M12	Pressure Indicator, Digital Gauge	0 psi to 8700 psi
M13	Pressure Transmitter, Switch	or -0.8 bar to 700 bar
	Temperature (Onsite)	Measuring Range
M14	Digital thermometer ,Temperature controller	-30 °C to 400 °C
M15	Recorder and Indicator with probe	-30 °C to 400 °C
M16	Dial thermometer	-30 °C to 400 °C
M17	Water bath	10 °C to 100 °C
M18	Air chamber (Oven, Incubator, Freezer)	-20 °C to 200 °C
M19	Autoclave	105 °C to 135 °C
M20	Salt Spray	-20 °C to 200 °C
M21	Temperature Indicator (test 5 point)	All range
	Analysical	Measuring Range
M22	pH meter	pH 4 , 7 , 10
M23	pH meter (Not Accredited)	pH 4 , 7 , 10
M24	Conductivity meter	All range

