



National Institute of Metrology (Thailand)

3/4-5 Moo 3, Klong 5, Klong Luang, Pathumthani, 12120, Thailand

Tel. +66 2577 5100 (Please contact : Customer Service Section Ext. 3101, 3102) Fax. +66 2577 3659 E-mail : cs@nimt.or.th Website : http://www.nimt.or.th

Price List

Item No.	Description	Range	Accuracy / Uncertainty	Price (THB)	Remark	Code	
Calibration Fee							
Mechanical Metrology							
1	Mass Standard	1 kg	class E0	18,750/piece	Trace to BIPM (through mass standard)	10011 - 10001	
2	Mass Standard	1 mg to 1 kg	Class E1	4,500/piece	Mass and Conventional mass	10011 - 10101	
		2 kg		5,070/piece		10011 - 10102	
		5 kg		5,630/piece		10011 - 10103	
		10 kg		5,940/piece		10011 - 10104	
		20 kg		6,250/piece		10011 - 10105	
	Mass Standard set	1 mg to 10 mg	Class E1	22,500/set	10011 - 10101		
		20 mg to 100 mg		18,000/set			
		200 mg to 1 g		18,000/set			
		2 g to 10 g		18,000/set			
		20 g to 100 g		18,000/set			
		200 g to 1 kg		18,000/set			
		2 kg to 10 kg		21,710/set		10011 - 10104	
3	Mass Standard or Mass Standard set	1 mg to 1 kg	Class E2	1,800/piece	Conventional mass	10011 - 10201	
		2 kg		2,250/piece		10011 - 10202	
		5 kg		2,750/piece		10011 - 10203	
		10 kg		3,130/piece		10011 - 10204	
		20 kg		3,940/piece		10011 - 10205	
		50 kg		8,000/piece		10011 - 10206	
		1 mg to 1 kg	Class F1 and lower	1,350/piece		10011 - 10301	
				2 kg		1,800/piece	10011 - 10302
				5 kg		2,250/piece	10011 - 10303
				10 kg		2,750/piece	10011 - 10304
				20 kg		3,130/piece	10011 - 10305
				50 kg		6,250/piece	10011 - 10306
	100 kg			8,130/piece	10011 - 10307		
	200 kg			12,500/piece	10011 - 10308		
	500 kg	Class F2 and lower	13,750/piece	10011 - 10401			
			1000 kg	16,250/piece	10011 - 10402		
	2000 kg	Class M1 and lower	20,000/piece	10011 - 10501			



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4	Volume magnetic susceptibility of weight	1 g to 20 kg	In the range of 10% to 20%	2,250/piece	By the susceptometer method	10012 - 10101
5	Surface roughness (Ra,Rz) of weight	Up to 5 μm	$Ra = \sqrt{(7.490)^2 + (1.021 \cdot Z_m)^2}$ $Rz = \sqrt{(110.116)^2 + (1.422 \cdot Z_m)^2}$ where Zm (unit nm) being measured value of weight	6,250/piece	Nominal weight range 1 g to 1 kg	10013 - 10101
6	Inter-laboratory comparison on mass measurement; - Non Automatic Weighing Instruments (NAWI), Electronic balance"	Single range, Resolution 0.001 mg, Maximum capacity 21 g, Number of scale interval 21,000,000	NIMT.M.M-09	5,000	-	10014-10101
7	Inter-laboratory comparison on mass measurement; - Mass Standard	1000 kg	NIMT.M.M-12	20,250	Conventional mass	10014-10102
8	Density and volume of weight (1 g to 1 kg)	1 g 2 g 5 g 10 g 20 g 50 g 100 g 200 g 500 g 1 kg 2 kg 5 kg 10 kg 20 kg	120 kg/m ³ , 0.002 cm ³ 60 kg/m ³ , 0.002 cm ³ 20 kg/m ³ , 0.002 cm ³ 15 kg/m ³ , 0.002 cm ³ 10 kg/m ³ , 0.004 cm ³ 5.6 kg/m ³ , 0.004 cm ³ 4.4 kg/m ³ , 0.004 cm ³ 3.8 kg/m ³ , 0.007 cm ³ 2.7 kg/m ³ , 0.018 cm ³ 2.6 kg/m ³ , 0.036 cm ³ 6.8 kg/m ³ , 0.21 cm ³ 3.3 kg/m ³ , 0.25 cm ³ 2.4 kg/m ³ , 0.4 cm ³ 2 kg/m ³ , 0.7 cm ³	3,130/piece	Any class which no cavity by hydrostatic weighing method	10021 - 10101
9	Density and volume of solid artifact	2700 kg/m ³ to 9000 kg/m ³ 1.25 cm ³ to 110 cm ³	0.6 to 120 kg/m ³ 0.0020 to 0.25 cm ³	7,500/piece	Traceable to SI units via Silicon Cylinder	10021 - 10102



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10	Density Hydrometer	600 to 2000 kg/m ³	0.100 kg/m ³	5,630/3 points + 1130 next point	scale division 0.2 kg/m ³ (or less than 0.5 kg/m ³)	10021 - 10301
			0.125 kg/m ³	4,500/3 points + 1130 next point	scale division 0.5 kg/m ³	10021 - 10302
			0.25 kg/m ³	3,380/3 points + 1130 next point	scale division more than 0.5 kg/m ³	10021 - 10303
11	Specific Gravity Hydrometer	0.590 sp/gr to 2.025 sp/gr	0.00010 sp/gr	3,380/3 points + 1130 next point		10021 - 10304
12	API Hydrometer	-1 °API to 101 °API	0.030 °API	3,380/3 points + 1130 next point		10021 - 10305
13	Brix Hydrometer	0 °Brix to 90 °Brix	0.30 °Brix	3,380/3 points + 1130 next point		10021 - 10306
14	Baumé Hydrometer	0 Bé to 100 Bé	0.030 Bé	3,380/3 points + 1130 next point		10021 - 10307
15	Glass Volume Alcoholometer	0 %vol to 100 %vol	0.10 %vol	3,380/3 points + 1130 next point		10021 - 10308
16	Density of liquid	600 to 1500 kg/m ³	0.1 to 2.0 kg/m ³	5,400/piece	By hydrostatic weighing method	10021 - 10401
17	Density Meter, Benchtop & Portable Oscillation Type	700 to 1600 kg/m ³	0.030 kg/m ³	22,000/piece	By direct comparison with reference fluid	10021 - 10501
18	Inter-laboratory comparison on density measurement - Artifact: Hydrometer	9 - 81 °API 640 - 1320 kg/m ³	NIMT.M.D-01/2018	5,000		10021 - 10601
19	Force-proving instrument	1 kN to 110* kN	Accroding to ISO 376:2011 Class 00 to 2	11,630/direction	Calibrated by deadweight force standard machine. Digital indicator shall be provided by customer.	10030 - 10101
		0.1 kN to 1.5 kN		10,130/direction		10030 - 10102
		0.2 kN to 5 kN		10,130/direction		10030 - 10103
		16 kN to 500 kN		16,880/direction		10030 - 10104
		50 N to 500 N		7,500/direction		10030 - 10105
		20 kN to 100 kN	Accroding to ISO 376:2011 Class 0.5 to 2	8,130/direction	Calibrated by force-comparator machine.	10030 - 10201
		> 100 kN to 500 kN		10,630/direction	Digital indicator shall be provided by customer.	10030 - 10202
20	Strain Amplifier (Digital Measurement Amplifier)	± 5.0 mV/V	2.0 x 10 ⁻⁵ mV/V	3,750/range	Calibrated by Bridge Calibration Unit	10030 - 10401



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21	Static Torque Measuring Devices (Torque Transducer)	0.1 N·m to 1 N·m 1 N·m to 10 N·m 10 N·m to 1,000 N·m	DIN 51309, 0.015% DIN 51309, 0.01%, 0.03% DIN 51309, 0.01%	8,400/range		10040 - 10101
22	Static Torque Transfer Wrenches	1 N·m to 10 N·m 10 N·m to 2,000 N·m	DAkS-DKD-R 3-7, 0.04% DAkS-DKD-R 3-7, 0.03%	8,400/range		10040 - 10202
23	Static Torque Calibration Devices - Torque Wrench Calibration Devices	1 N·m to 2,000 N·m	DAkS-DKD-R 3-8 0.2%	4,200/range		10040 - 10303
	range. 1 - 2560 0.2%		4,200/range		10040 - 10304	
	- Torque Screwdriver Calibration Devices	1 N·m to 10 N·m	Based on DAkS-DKD-R 3-8 0.2%	4,200/range		10040 - 10302
24	Hand Torque Tools					
	- Wrench, Torsion or Flexion Bar - Screwdriver, with Scale or Dial or Display	1 N·m to 1,000 N·m 1 N·m to 10 N·m	ISO 6789, 1% ISO 6789, 1%	2,800/range 2,800/range		10040 - 10401 10040 - 10402
25	Adjustment charge of torque device for permanent laboratory calibration			100% of the calibration cost of each item and each range		10040 - 10601
26	Recalibration of Reference Block	20 HRA to 88 HRA	0.40 HRA	4,200/piece	Reference Block shall be provided by client.	10050 - 10101
	Rockwell Scale : HRA, HRB, HRC	20 HRB to 100 HRB	0.40 HRB			
		20 HRC to 70 HRC	0.40 HRC			
	Vickers : HV	HV5, HV10, HV20, HV30, HV50	$\pm \left(2 + \frac{1400}{d^2} \right) \% \text{ of } HV$	4,650/piece		10050 - 10201
	Vickers : HV	HV0.1	$\pm \sqrt{4 + \frac{19300}{d^2}} \% \text{ of } HV$	4,650/piece		10050 - 10501
Brinell Scale: HB	HB10/3000	0.6 % of HB	5,000/piece	10050 - 10401		
27	Elastomer Hardness Testing Machine	IRHD-N IRHD Pocket IRHD-M Durometer Type A Durometer Type D Durometer Type AO	According ISO 18898	5,475/machine		10050 - 10302
		Durometer Type C	According ASTM D2240			



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28	Gas Pressure Balances	Up to 7 MPa	> 5×10^{-4} x Pe to 1×10^{-4} x Pe	27,000	1. Price per 1 piston & cylinder assembly 2. Calibration of weight set is included.	10060 - 10101
			< 1×10^{-4} x Pe	40,500		10060 - 10102
		>7 MPa to 40 MPa	> 5×10^{-4} x Pe	27,000		10060 - 10103
			5×10^{-4} x Pe to 1×10^{-4} x Pe	40,500		10060 - 10104
			< 1×10^{-4} x Pe	49,500		10060 - 10105
29	Hydraulic Pressure Balances	Up to 200 MPa	> 5×10^{-4} x Pe to 1×10^{-4} x Pe	27,000	1. Price per 1 piston & cylinder assembly 2. Calibration of weight set is included.	10060 - 10201
			< 1×10^{-4} x Pe	40,500		10060 - 10202
		> 200 MPa to 500 MPa	> 5×10^{-4} x Pe to 2×10^{-4} x Pe	52,500		10060 - 10203
			< 2×10^{-4} x Pe	60,000		10060 - 10204
30	Gas Pressure Measuring Instruments (gauge pressure, Pe)	0 kPa to -100 kPa	Not smaller than 0.2 mbar	8,750/range		10060 - 10313
			Not smaller than 1 mbar	3,250/range		10060 - 10314
			Smaller than 0.2 mbar	11,250/range		10061 - 10319
		0 kPa to -15 kPa	> 1×10^{-3} x Pe	8,750/range		10060 - 10315
			$\leq 1 \times 10^{-3}$ x Pe	11,250/range		10060 - 10316
		- 1 kPa to 0 kPa	> 6×10^{-3} x Pe	3,750/range		10060 - 10301
			6×10^{-3} x Pe to 1×10^{-3} x Pe	5,000/range		10060 - 10302
			< 1×10^{-3} x Pe, but not smaller than 0,003 mbar	6,250/range		10060 - 10303
		0 kPa to 3 kPa	> 6×10^{-3} x Pe	3,750/range		10060 - 10304
			6×10^{-3} x Pe to 1×10^{-3} x Pe	5,000/range		10060 - 10305
			< 1×10^{-3} x Pe, but not smaller than 0.003 mbar	6,300/range		10060 - 10306
		0 kPa to 15 kPa	> 1×10^{-3} x Pe	8,750/range		10060 - 10317
			$\leq 1 \times 10^{-3}$ x Pe	11,250/range		10060 - 10318
		10 kPa to 7 MPa	> 6×10^{-3} x Pe	3,250/range		10060 - 10307
		1,5 kPa to 7 MPa	6×10^{-3} x Pe to 1×10^{-3} x Pe	5,000/range		10060 - 10308
			< 1×10^{-3} x Pe	6,250/range		10060 - 10309
> 7 MPa to 100 MPa	> 6×10^{-3} x Pe	5,630/range		10060 - 10310		
	6×10^{-3} x Pe to 1×10^{-3} x Pe	7,880/range		10060 - 10311		
	< 1×10^{-3} x Pe	10,130/range		10060 - 10312		



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31	Gas Pressure Measuring Instruments (absolute pressure, Pabs)	80 kPa to 115 kPa	< $1 \times 10^{-3} \times Pabs$	7,880/range		10060 - 10401
			Not smaller than 0.35 mbar	3,380/range		10060 - 10402
		0 kPa to 15 kPa	> $1 \times 10^{-3} \times Pabs$	10,000/range		10060 - 10405
			$\leq 1 \times 10^{-3} \times Pabs$	12,500/range		10060 - 10406
			Not smaller than 0.35 mbar	3,380/range		10060 - 10403
1,5 kPa to 40 MPa	$\geq 1 \times 10^{-4} \times Pabs$	8,750/range		10060 - 10404		
32	Mercury Barometers	85 kPa to 105 kPa	Not smaller than 0.35 mbar	5,630/range	Cistern type	10060 - 10501
				6,750/range	Fortin type	10060 - 10502
33	Hydraulic Pressure Measuring Instruments (gauge pressure, Pe)	up to 200 MPa	> $6 \times 10^{-3} \times Pe$	4,500/range		10060 - 10601
			$6 \times 10^{-3} \times Pe$ to $1 \times 10^{-3} \times Pe$	7,500/range		10060 - 10602
			< $1 \times 10^{-3} \times Pe$	10,000/range		10060 - 10603
		> 200 MPa to 500 MPa	$\geq 1 \times 10^{-3} \times Pe$	7,500/range		10060 - 10604
			< $1 \times 10^{-3} \times Pe$	10,000/range		10060 - 10605
34	Hydraulic Pressure Measuring Instruments (absolute pressure, Pabs)	0,1 MPa to 200 MPa	> $6 \times 10^{-3} \times Pabs$	5,630/range		10060 - 10801
			$6 \times 10^{-3} \times Pabs$ to $1 \times 10^{-3} \times Pabs$	8,750/range		10060 - 10802
			< $1 \times 10^{-3} \times Pabs$	11,250/range		10060 - 10803
		> 200 MPa to 500 MPa	$\geq 1 \times 10^{-3} \times Pabs$	8,750/range		10060 - 10804
			< $1 \times 10^{-3} \times Pabs$	11,250/range		10060 - 10805
35	Gas Differential Pressure at High Static Line pressure (not higher than 40 MPa), ΔP	350 kPa maximum differential pressure	$3.5 \times 10^{-5} \times \Delta P$, but not less than 2.9 Pa	15,750/sensor head	Price per 1 range of differential pressure and 1 range of high static line pressure	10060 - 10701
36	Vacuum Gauges (absolute pressure : pirani gauge, thermal conductivity gauge)	10^5 Pa to 10^{-1} Pa	0.3% rdg to 1% rdg	5,630/sensor head	Calibration 10 points minimum	10070 - 10101
37	Vacuum Gauges (absolute pressure : capacitance diaphragm gauge)	10^5 Pa to 10^{-1} Pa	0.2% rdg to 0.45% rdg	10,130/sensor head	Calibration 3 decades for the head range (1000, 100,10, 1) torr Calibration 2 decades for the head range 0.1 torr	10070 - 10201



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38	Vacuum Gauges (absolute pressure : hot cathode ion gauge, cold cathode ion)	10 ⁻¹ Pa to 10 ⁻⁵ Pa	0.5% rdg to 6% rdg	8,870/for first decade +2,250 for next decade		10070 - 10301
39	Vacuum Gauge (absolute pressure : spinning rotor gauge)	10 Pa to 10 ⁻³ Pa	0.6% rdg to 4.5% rdg	to be determined		10070 - 10401
40	Additional cost for electrical calibration (which the accuracy is not better than +/-0.01% rdg)			2,250/item		10070 - 10501
41	Adjustment charge of pressure and vacuum devices for permanent laboratory calibration			50% of the calibration cost of each range		10070 - 10502
42	Measurement audit report			1,000 Baht/report + 1,000 Bath/only for artifact provided + Calibration fee		10070 - 10503
43	Liquid Flowmeter (Turbine Flowmeter)	0.19 L/min to 150* L/min	0.075%**	13,750/ 5 points	Calibration Fluid : Water	10080 - 10101
	Liquid Flowmeter (with indicator)	0.19 L/min to 150* L/min	2%	7,880/ 5 points		10080 - 10102
	Coriolis Flowmeter (Volumetric method)	0.2 L/min to 150 L/min	0.075%	13,750/5 points		10080 - 10103
44	Small Water Flow Meter (Mass Mode)	10 mL/h to 50 mL/h 50 mL/h to 1000 mL/h	0.35% 0.24%	16,875/range	Calibration Fluid : Water Gravimetric Method	10080-10104
45	Small Water Flow Meter (Volume Mode)	10 g/h to 50 g/h 50 g/h to 1000 g/h	0.35% 0.24%	16,875/range	Calibration Fluid : Water Gravimetric Method	10080 - 10301
46	Gas Flowmeter with display in standard flow (molbloc-L)	100 cm ³ /min to 24000 cm ³ /min	0.25%	30,000/range	Calibration Gas: Dry Air Reference Conditions @ 0°C, 101.325	10080 - 10202
47	Gas Flowmeter with display in standard flow (molbloc-S)	1 m ³ /h to 65 m ³ /h	0.23%	30,000/range	Calibration Gas: Dry Air Reference Conditions @ 0°C, 101.325	10080 - 10204
48	Sonic Nozzle at ambient pressure	1 m ³ /h to 100 m ³ /h	0.22%	25,000/range	Calibration Gas: Ambient Air	10080 - 10205
49	Gas Flow rate (Gas meter with impluse output)	1 m ³ /h to 100 m ³ /h	0.20%	30,000/piece (5 points)	Comparison Method	10080 - 10203
50	Orifice flow device (Volumetric method)	(1 to 100) m ³ /h	1.00%	7,500/piece (5-7 points)	Comparison Method	10080 - 10208
51	Gas Flow rate (Gas meter with flow rate output)	1.2 kg/h to 117 kg/h	0.20%	30,000/piece (5 points)	Comparison Method	10080 - 10403
52	Liquid Volume (Proving tank: Neck scale type, Weir neck type)	1 L to 10 L	0.02% to 0.03%	6,250/piece	Gravimetric Method	10080 - 10501
		<10 L to 20 L	0.02% to 0.03%	10,000/piece	Gravimetric Method	10080 - 10502
53	Gas Flowmeter (Volume gas flow rate)	2 (cm ³ /min) to 24000 (cm ³ /min)	0.23%	17,250/range	Calibration Fluid : Nitrogen Reference Conditions @ 0 degree C, 101.325 kPa	10081 - 10101
		2 (cm ³ /min) to 1 (m ³ /min)	0.23%	17,250/range	Calibration Fluid : Dry Air Reference Conditions @ 0 degree C, 101.325 kPa	10081 - 10102
54	Gas Flowmeter (Mass gas flow rate)	0.043 (mg/s) to 500 (mg/s)	0.23%	17,250/range	Calibration Fluid : Nitrogen	10081 - 10201
		0.043 (mg/s) to 21545 (mg/s)	0.23%	17,250/range	Calibration Fluid : Dry Air	10081 - 10202



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Reference Materials For Sale						
55	Standard Torque Transducer	≤ 2,000 N·m	DIN 51309 Class 0.2, 0.1, 0.05	93,750/piece		10040 - 20501
		≤ 1,000 N·m		82,500/piece		
		≤ 500 N·m		71,000/piece		
		≤ 200 N·m		60,630/piece		10040 - 20502
		≤ 50 N·m		36,250/piece		
		≤ 20 N·m		31,250/piece		
56	Standard Torque Transfer Wrench	≤ 2,000 N·m	DAkkS-DKD-R 3-7 Class 0.2	100,000/piece		10040 - 20601
		≤ 1,000 N·m		92,000/piece		
		≤ 500 N·m		70,000/piece		10040 - 20602
		≤ 200 N·m		62,500/piece		
		≤ 50 N·m		45,000/piece		
		≤ 20 N·m		40,000/piece		10040 - 20603
57	Standard Torque Transfer Wrench Model: TW-MCS01	≤ 2,000 N·m	DAkkS-DKD-R 3-7 Class 0.2	209,321/piece	Standard Option 1. Temperature compensation on zero signal 2. Temperature compensation on span signal 3. Zero balance 4. Measurement and check signals	10040-20604
		≤ 1,000 N·m		129,155/piece		
		≤ 500 N·m		103,000/piece		
		≤ 200 N·m		89,144/piece		
		≤ 50 N·m		68,738/piece		
		≤ 20 N·m		63,789/piece		
58	V-notch Charpy Impact CRM	30 J ± 10 J	According to ISO148-3	14,820.-/set		10050 - 20301
		100 J ± 10 J		14,820.-/set		10050 - 20302
	Calibration of metallic -charpy pendulum Testing Machine	Low(<40J) and high (≥40J)energy		According to ISO148-2		65,000
59	Certified Reference Block	20 HRA to 88 HRA	0.40 HRA	8,750/piece		10050 - 20101
	Rockwell Scale : HRA, HRB, HRC	20 HRB to 100 HRB	0.40 HRB			
		20 HRC to 65 HRC	0.40 HRC			
	Vickers : HV	HV5, HV10, HV20, HV30, HV50	$\pm \left(2 + \frac{1400}{d^2} \right) \% \text{ of } HV$	16,250/piece		10050 - 20201
	Vickers : HV	HV0.1	$\pm \sqrt{4 + \frac{19300}{d^2}} \% \text{ of } HV$	21,000/piece		10050 - 20501
	Brinell Scale: HB	HB10/3000	0.6 % of HB	15,000/piece		10050 - 20401



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On-site Calibration						
60	Universal Testing Machine	50 N to 500 kN (for Tension and Compression mode) 50 N to 2,000 kN (for Compression mode)	According to ISO 7500-1 : 2018	8,130/force scale /mode	Calibrated by force-measuring device and accessories shall be provided by customer	10030 - 30201
61	Static Torque Calibration devices - Torque Wrench Calibration Devices	1 N·m to 2,000 N·m	DAkKS-DKD-R 3-8 0.2%	4,200/range		10040 - 30303
			range. 1 - 2560 0.2%	4,200/range		10040 - 30304
	- Torque Screwdriver Calibration Devices	1 N·m to 10 N·m	Based on DAkKS-DKD-R 3-8 0.2%	4,200/range		10040 - 30302
62	Adjustment charge of torque device for on-site calibration			100% of the calibration cost of each item and each range		10040 - 30601
63	Inter-laboratory comparison on torque with cross force					
	- Artifact: Torque wrench	40 N·m to 400 N·m	MT 01/2550	7,800		10040 - 30501
	- Artifact: Torque wrench	8 N·m to 40 N·m	MT 01.1/2551	7,800		10040 - 30502
	- Artifact: Torque wrench calibrator	10 N·m to 200 N·m	MT 02/2551	7,800		10040 - 30503
	- Artifact: Setting torque wrench	20 N·m to 330 N·m	MT 03/2553	7,800		10040 - 30504
64	Extensometer	Gauge length up to 200 mm	According to ISO 9513	3,125/scale		10050 - 30001
65	Calibration of Testing Machine Rockwell Hardness Testing Machine	20 HRA to 88 HRA	According to ISO 6508-2	6,750/machine/scale* 2,800/scale/only for indirect verification 3,900/only for diamond indenter verification 800/only for ball indenter	Note * not including indenter calibration	10050 - 30102
		20 HRB to 100 HRB				
		20 HRC to 65 HRC				
		70 HR15N to 94 HR15N				
		42 HR30N to 86 HR30N				
		67 HR15T to 93 HR15T				
		29 HR30T to 82 HR30T				
70 HRE to 100 HRE						



National Institute of Metrology (Thailand)

3/4-5 Moo 3, Klong 5, Klong Luang, Pathumthani, 12120, Thailand

Tel. +66 2577 5100 (Please contact : Customer Service Section Ext. 3101, 3102) Fax. +66 2577 3659 E-mail : cs@nimt.or.th Website : http://www.nimt.or.th

Price List

Item No.	Description	Range	Accuracy / Uncertainty	Price (THB)	Remark	Code
66	Calibration of Testing Machine - Vickers Hardness Testing Machine	HV0.2, HV0.3, HV0.5, HV5, HV10, HV20, HV30, HV50	According to ISO 6507-2	6,750/ machine/scale* 2,800/scale/only for indirect verification	Note * not including indenter calibration	10050 - 30202
	- Vickers Indenter	Tip angle 0°,90°, 136° Line of conjunction 0 to 5 µm	± 0.15° ± 0.2 µm	10,000/piece		
67	Calibration of Testing Machine Brinell Hardness testing machine	HB10/3000, HB10/500, HB10/100	According to ISO 6506-2	6,750/machine/scale* + 1,550/addition scale 2,800/scale/only for indirect verification 800/only for ball indenter	Note * not including indenter calibration	10050 - 30402
		HB5/750, HB5/125, HB5/62.5				
		HB2.5/62.5, HB2.5/31.25, HB2.5/15.625				
		HB1/30				
68	Inter-laboratory comparison on hardness measurement					
	- Artifact hardness specimen	Scale B	MH01	7,800		10050 - 30103
	- Artifact hardness specimen	Scale C	MH02	7,800		10050 - 30203
	- Artifact hardness testing machine	Rockwell Scale A, B and C	MH03	7,800		10050 - 30303
	- Artifact hardness specimen	HV5, HV10	MH04	6,250		10050 - 30403
- Artifact hardness specimen	Scale R	MH08	7,850	Plastic artifacts shall be provided by client	10050 - 30803	
69	Absolute Gravity	9.75 m/s ² to 9.85 m/s ²	Not smaller than 10 µGal (0.01 ppm)	240,000 for the first measurement location + 120,000 for each additional location	This price is for overseas customer; for domestic customer the price to be discussed	10060 - 30101
70	Local Gravity	9.75 m/s ² to 9.85 m/s ²	Not smaller than 180 µGal (0.18 ppm)	40,000/location	Using relative method	10060 - 30102
71	Mooney Viscometer	All range	According to ISO 289	20,000/machine/scale		10050 - 30602