



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
<b>Calibration Fee</b>						
<b>Innovation and Measuring Devices Development Group</b>						
1	Extensometer	10%-100%	According to ISO 9513	17,500		15000-11010
		1%-10%,		22,500		15000-11020
		10%-100%				
		0.1%-1%,		30,000		15000-11030
		1%-10%,				
		10%-100%				
2	Gauge length for Extensometer	All sizes		2,500/ea		15000-11040
3	Jig Fixture	All sizes	According to Specification	2,500/hour		15000-11050
4	Reverse engineering	All sizes	According to Specification	3,000/ea	IGES, STEP File	15000-11060
5	3D Inspection	All sizes	According to Specification	2,500/ea	STL File	15000-11070
6	Displacement Measuring Devices	10%-100%	According to CP-INutm 1013	5,000		15000-11080
7	Extensometer Calibration Apparatus	10%-100%	According to ISO 9513:2012, ANNEX B	17,500		15000-11090
		1%-10%,		22,500		15000-11100
		10%-100%				
		0.1%-1%,		30,000		15000-11110
		1%-10%,				
		10%-100%				



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### On-site Calibration

1	Extensometer	10%-100%	According to ISO 9513	17500		15000-31010
		1%-10%		22,500		15000-31020
		10%-100%		30,000		15000-31030
		0.1%-1%,				
		1%-10%,				
10%-100%						
2	Gauge length for Extensometer	All sizes		2,500/ea		15000-31040
3	Calibration of metallic -charpy pendulum Testing Machine	Low(<40J) and high (≥40J)energy	According to ISO148-2	100,000	Direct Verification + CRM	15000-31050
				40,450	Direct Verification	15000-31051
				71,500	Indirect Verification + CRM	15000-31052
				22,710	Indirect Verification	15000-31053
4	Jig Fixture	All sizes	According to Specification	2,500/hour		15000-31060
5	Reverse engineering	All sizes	According to Specification	3,000/ea	IGES, STEP File	15000-31070
6	3D Inspection	All sizes	According to Specification	2,500/ea	STL File	15000-31080
7	Displacement Measuring Devices	10%-100%	According to CP-INutm 1013	5,000		15000-31090
8	Calibration of Plastics – Verification of Charpy, Izod Impact testing Machine	0.5J - 22 J	According to ISO 13802	18,000 / Impact type	Charpy type = Machine+ 1 hammer Izod type = Machine+ 1 hammer (each hammer +5,000)	15000-31100



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9	Extensometer Calibration Apparatus	10%-100%	According to ISO 9513:2012, ANNEX B	17,500		15000-31110
		1%-10%		22,500		15000-31120
		10%-100%		30,000		15000-31130
		0.1%-1%,				
		1%-10%,				
10%-100%						
10	Calibration of pendulum-type hammer impact machines for use with plastic specimens ASTM D256 (Izod)	1J to 21.7 J	According to ASTM D256	18,000 / Impact type	Izod type = Machine+ 1 hammer (each hammer +5,000)	15000-31200
11	Calibration of Gauge length Calibrator	1.6 mm - 1,100mm		25,000		15000-31300
12	Robot calibration	All sizes		10,000		15000-31400
13	Machine Calibration	All sizes		10,000 / 1 axis		15000-31500
14	Twin robot measurement	All sizes		10,000		15000-31600
15	Displacement Measuring Systems and Devices Used in Material Testing Machines	Displacement length up to 2,000 mm.	According to ASTM E2309/E2309M-16	6,250	/machine	15000-31700
16	Speed for material testing machines	Speed 0.05 mm/Min to 2,500 mm/Min.	According to ASTM E2658-15	6,250	/speed	15000-31800



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#### CRM, Instrument and software for Sale

1	V-notch Charpy Impact CRM	30 J ± 10 J	According to ISO148-3	18,530/set		15000-22010
		100 J ± 10 J		18,530/set		15000-22020
2	Data link for small tool (Mirometer, Vernier, Dial, Micrometer Head, Height gauge)	2 devices		30,000/ea		15000-22030
		4 devices		40,000/ea		15000-22040
		8 devices		60,000/ea		15000-22050
3	Data link for instrument	2 devices		30,000/ea		15000-22060
		4 devices		40,000/ea		15000-22070
4	Software I-link for instrument	1 device		15,000	Normal	15000-22080
				35,000	advance	15000-22090
5	V-notch Charpy Impact CRM ASTM E23	Low(13-20J)	According to ASTM E23-16b	18,530/set		15000-22100
		High(88-136J)		18,530/set		15000-22110
		Super High (176-244J)		18,530/set		15000-22120



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### WORK - SHOP

1	งานออกแบบ	All sizes				15000-41110
2	งานเขียนแบบ	All sizes				15000-41111
3	งานซ่อม	All sizes				15000-41112
4	งานสร้าง	All sizes				15000-41113
5	งานติดตั้ง	All sizes				15000-41114
6	งานติดตั้งนอกสถานที่	All sizes				15000-41115