

รายชื่อเครื่องมือวัดที่ได้รับการรับรอง ISO/IEC 17025 : American Association for Laboratory Accreditation (A2LA) "U.S.A" ซึ่งได้รับการรับรองจากสถาบัน ILAC

Electrical & Chemical

Description	Range	Price
Multimeter / Power supply	All range	2,000
Clamp meter	0 to 1,500 A	2,500
Watt-hour meter (1 & 3 phase)	0 to 66 kW	12,000
AC Power meter (1 & 3 phase)	0 to 66 kW	12,000
Power meter (V, Ω, A, Hz, Watt)	All range	6,500
Resistance meter / Decade box	0 to 1 TΩ	4,500
Multifunction / Process calibrator	All range	12,000
Withstanding / Current cut-off	All range	4,500
High volt tester / Hipot tester	DC : 100 kV / AC : 70 kV	28,000
Insulation tester / Harmonic	0 to 1 TΩ	4,500
Frequency signal generator	0 to 225 MHz	4,000
Frequency counter	0 to 6 GHz	4,000
RF Power / Audio / AM-FM mod.	0 to 6 GHz	9,000
Stop watch	All range	2,000
Oscilloscope / LCR meter	All range	3,500
Tacho / Counter metere	All range	2,000
pH meter	1.67 to 11.72 pH	3,500
Conductivity meter	84 to 12,880 μS/cm	3,500
Centrifuge	0 to 15,000 rpm	4,000
Viscometer / Ford cup	100 to 10,000 mPa.s	6,000
Refractometer / Refractive index	10 to 60 % Brix	4,000
UV/Vis spectrophotometer	All range	5,000
Gas detector (O ² / CH ₄)	2 to 21 cmol/mol, 50%	8,000
Sound level meter	94, 114 dB	4,000
Anemometer	0 to 25 m/s	4,000
Lux meter	0 to 4,000 Lux	4,000
UV meter (UVA,B,C) / Radiometer	0 to 200 mW/cm ²	30,000
Optical power / Laser Power	0 to 100 W	30,000

Mass & Balance

Description	Range	Price
Electronic balance / Weighing indicator / Platform scale	0 to 300 kg	1,200
	≥ 300 to 2,000 kg	6,000
Moisture balance	0 to 1 kg	3,000
Standard weight	50 mg to 20 kg	500 / PC.
Steel weight	1 kg to 20 kg	350 / PC.
Micro pipette	10 μl to 10 ml	1,500
Burette / Pipette	1 ml to 100 ml	600
Volumetric flask	5 ml to 2,000 ml	600
Beaker / Cylinder	5 ml to 2,000 ml	600
Test sieve	0 to 300 mm	2,500

Temperature & Humidity

Description	Range	Price
Thermocouple sensor	-80 to 1,200 °C	1,200
RTD & PRT sensor	-80 to 650 °C	1,500
Digital thermometer with sensor	-80 to 1,200 °C	1,200
Temperature controller with sensor	-80 to 1,200 °C	1,200
Temperature recorder	-80 to 1,200 °C	900 / CH.
Glass tube thermometer	-30 to 200 °C	1,000
Dial thermometer	-30 to 600 °C	1,000
Standard thermometer	-80 to 1,200 °C	6,500
Digital thermo-hygrometer (-30 to 60 °C)	20 to 95 % R.H.	2,800
Thermo-hygrometer (-30 to 60 °C)	20 to 95 % R.H.	2,800
Thermo-hygrograph (-30 to 60 °C)	20 to 95 % R.H.	2,800
Data logger	All range	1,200 / CH.
Water bath / Oil bath	-40 to 250 °C	3,000
Autoclave	110 to 135 °C	4,000
Hot air oven	30 to 250 °C	3,500
Incubator	20 to 100 °C	3,000
Freezer	-80 to 0 °C	3,000
Refrigerator	0 to 10 °C	3,000
Furnace	200 to 1,200 °C	4,500
Temperature chamber	-80 to 1,200 °C	4,500
Humidity chamber	20 to 95 % R.H.	16,000
Dry block calibrator	-80 to 1,200 °C	12,000
Micro bath / Metrology bath	-80 to 250 °C	12,000
Temperature calibrator	All range	12,000
Temperature transmitter	-80 to 1,200 °C	2,500
Infrared thermometer	-35 to 255 °C	2,500
Heat block / COD Reactor	25 to 250 °C	5,500
* รายการที่ 1 ถึง 5 Range : น้อยกว่า -40 °C หรือมากกว่า 600 °C		4,000

Torque & Force

Description	Range	Price
Universal testing machine (UTM)	0 to 50 Ton (500 kN)	18,000
Load cell / Force sensor	0 to 50 Ton (500 kN)	12,000
Force gauge / Tension gauge	0 to 200 kg	2,500
Screw torque driver / Air torque	0 to 1,500 N.m.	2,000
Torque wrench / Setting torque	0 to 1,500 N.m.	2,000
Torque tester / Torque calibrator	0 to 1,500 N.m.	16,000
Durometer (A, B, C, D, O, DO, OO, M)	All range	6,500
Vickers / Knoop hardness tester	All range	20,000
Rockwell / Brinell hardness tester	All range	20,000
(HRA, HRB, HRC, HBW, HV1/5/10)	All range	20,000

Dimension

Description	Range	Price
CMM	0 to 1,000 mm	25,000
ULM	0 to 600 mm	20,000
Video Microscope	0 to 300 mm	4,500
Profile projector	0 to 300 mm	4,500
Micrometer head	0 to 50 mm	6,500
Optical flat / Parallel	0 to 60 mm	3,000 / PC.
Spheres / Precision Balls	0 to 100 mm	12,500
Gauge blocks	0.05 to 600 mm	500 / PC.
Vernier caliper	0 to 600 mm	800
Micrometer / Rod setting	0 to 600 mm	800
Dial gauge / Indicator	0 to 50 mm	800
Dial thickness / Dial test	0 to 10 mm	1,000
3-Wire / Plug / Pin gauge	0.1 to 250 mm	1,000
Steel ruler / Stell tape	0 to 50 m	1,000
Plain plug / Plain ring	0.1 to 250 mm	1,000
Thread plug / Thread ring	1 to 100 mm	1,000
Standard coating foil	0 to 5 mm	1,500 / PC.
Coating thickness gauge	0 to 1.5 mm	3,000
Ultrasonic thickness	0 to 400 mm	3,000
Precision Level gauge	0 to 1 mm/m	3,500
Bevel Protractor	0 to 360 °	2,500
Feeler gauge	0 to 5 mm	200 / PC.
Radius gauge	0 to 180 °	300 / PC.
Bore gauge / Grind gauge	0 to 50 mm	2,500
Height gauge	0 to 600 mm	3,000
Glass scale	0 to 300 mm	5,000
Dial gauge tester	0 to 50 mm	6,500
Jig fixture	0 to 300 mm	6,000

Pressure & Vaccum

Description	Range	Price
Pressure calibrator 0.01%	-0.95 to 1,500 bar	12,000
Pressure gauge	-0.95 to 1,500 bar	1,000
Vacuum gauge	-0.95 to 0 bar	1,000
Absolute gauge	-0.95 to 1,500 bar	1,000
Perani vacuum gauge	-0.95 to 2 bar	3,500
Manometer / Barometer	-0.95 to 10 bar	1,500
Pressure indicator	-0.95 to 1,500 bar	2,500
Pressure transmitter	-0.95 to 1,500 bar	2,500
Pressure switch	-0.95 to 1,500 bar	2,500
Control valve/Safety valve	-0.95 to 1,500 bar	3,000