

## Schedule of Fees

### ELECTRICITY, TIME & FREQUENCY

INSTRUMENT	PARTICULARS	TEST METHOD	CALIBRATION FEE (Php)
Current Source, AC 1 A max	1 <sup>st</sup> range	Comparison	2,030
	succeeding range		600/range
Voltage Source, AC 1000 V max	1 <sup>st</sup> range	Comparison	1,370
	succeeding range		450/range
Ammeter, DC and AC 1 A max	1 to 2 ranges	Comparison	770
	1 to 5 ranges		1,000
Current Source, DC 1 A max	1 <sup>st</sup> range	Comparison	1,400
	succeeding range		560/range
Voltage Standard, DC Low to medium accuracy 1000 V max	1 <sup>st</sup> range	Comparison (low to medium accuracy)	1,100
	succeeding range		455/range
Voltage Standard, DC High accuracy 1000 V max	1 <sup>st</sup> range	Comparison (High accuracy)	1,540
	succeeding range		700/range
Voltage Standard, DC Zener or chemical cell	1 V, 1.018 V, 10 V outputs	Comparison	4,300/voltage level
Thermal Transfer Standard	0.5V to 1000V, 60 Hz to 1MHz	Comparison	1,890/test point
Resistance Box, 0.1 $\Omega$ to 100 M $\Omega$	Decade per dial	Comparison	880/dial
Resistance Box, Fixed outputs 0.1 $\Omega$ to 100 M $\Omega$	1 <sup>st</sup> 5 points	Comparison	450
	succeeding range		98/range
Resistance Bridge, Kelvin	Low to medium accuracy	Comparison	1,980
Earth Tester	1 <sup>st</sup> range	Comparison	1,100
	succeeding range		310/range
Insulation Tester, Megohmmeter 100 M $\Omega$ at 1000 Vdc	1 <sup>st</sup> range	Comparison	840
	succeeding range		280/range
Potentiometer, millivolt	1 <sup>st</sup> range	Comparison	1,358
	succeeding range		490/range
Multifunction Calibrator	Vdc, Vac, Idc, Iac, Resistance	Comparison	11,340
Digital Multimeter	Up to 4½ digits	Comparison	1,890
Digital Multimeter	6½ digits	Comparison	15,800

Ohmmeter 1 Ω to 1 MΩ	1 <sup>st</sup> range	Comparison	700
	succeeding range		210/range
pH Meter, with BNC Connector		Comparison	650
pH Meter	Pen-type	Comparison	650
Process Calibrator	mV, V, mA, Ω, freq (IN-OUT)	Comparison	3,780
Puncture Tester 5 kV max		Comparison	1,330
Standard Resistor 1 Ω to 1 MΩ		Comparison	5,000
Voltmeter, AC or DC 1000 V max	1st range	Comparison	560
	succeeding range		245/range
Wheatstone Bridge 1 Ω to 1 MΩ		Comparison	1,890
Conductivity Meter		Through electrical simulation only	650
mA Calibrator		Direct measurement of output current	1,890
Digital Tachometer	Non-contact only	Speed Simulation	650
pH Simulator		Direct measurement of mV output	910
Frequency Counter	≥ 1 Hz Resolution	Direct measurement of time base	910
	≤ 1 Hz Resolution		1,190
Rubidium Standard (Frequency)		Phase Difference Method	3,530
Frequency Calibrator	IN-OUT	Comparison	1,890
GPS Receiver	1 pps output	Phase Difference Method	7,500
Time Mark Generator Function Generator		Direct frequency/period measurement	1,890
Stopwatch	15 minutes max	Time interval method	650/test point

## FORCE

EQUIPMENT		CALIBRATION FEE (Php)
1	Durometer (Type A; 5 test points per range)	600
	(Type B; 5 test points per range)	1,200
2	Gram Gauge (5 test points per range)	980
3	Push Pull Gauge (5 test points per range)	
	0-20 kgf	1,400
	Above 20 kgf	1,960
4	Testing Machine/ Compression Machine /Tensile /UTM (5 test points per range)	1,960
	Additional test point	500
5	Torque Wrench (capacity up to 25 N·m; 5 test points per range)	1,540
	Two directions	2,310

## MASS

CALIBRATION OF TEST WEIGHTS		CALIBRATION FEE (Php per piece)
Class E2	1 mg to 200 g	840
	Over 200 g to 5 kg	1,140
	Over 5 kg to 10 kg	1,260
Class F1 / F2	1 mg to 200 g	300
	Over 200 g to 5 kg	510
	Over 5 kg to 10 kg	760
Class M1 / M2 / M3	1 mg to 200 g	200
	Over 200 g to 5 kg	300
	Over 5 kg to 100 kg	350
	Over 100 kg to 1200 kg	500
CALIBRATION OF ELECTRONIC BALANCE		CALIBRATION FEE (Php)
Electronic Balance		1,180
TESTING OF WEIGHING INSTRUMENTS		TEST FEE (Php)
Accuracy Class	Special Accuracy I	1,180
	High Accuracy II	930
	Medium Accuracy III	840
	Ordinary IIII	340
For every tonne thereafter in excess of 1 tonne		20

## PHOTOMETRY

EQUIPMENT	CALIBRATION FEE (Php)
Illuminance Meter	2,000
Luminous Intensity Standard Lamp	3,000
Luminous Flux Standard Lamp	3,000

## PRESSURE

	EQUIPMENT	CALIBRATION FEE (Php)
1	Deadweight Tester (Crossfloat / Generated Pressure Method)	
	Hydraulic Deadweight Tester per piston/range	15,500
	Pneumatic Deadweight Tester per piston/range	15,500
	Industrial Hydraulic Deadweight Tester les than 2000 kPa capacity	11,500

2	Pressure Calibrators / Transmitter / Transducer / Module / Vacuum Calibrator / Digital Manometer (10 test points per range)	
	Absolute / Gauge Pressure (0-5 Mpa x 0.001 MPa resolution) Negative Pressure (10 mbar – 1000 mbar)	4,790
	0-500 MPa Gauge Pressure	4,700
	Additional test point	500
3	Pressure Test Gauge (10 test points per range)	
	Absolute / Gauge Pressure (0-5 Mpa x 0.001 MPa resolution) Negative Pressure (10 mbar – 1000 mbar)	2,590
	0-500 MPa Gauge Pressure	2,350
	Additional test point	330
4	Pressure Gauges (Accuracy > 1%)	750
5	Sphygmomanometer (aneroid and non-automated)	750

## THERMOCOUPLES & HUMIDITY

INSTRUMENT	TEMPERATURE / RH RANGE	NO. OF TEST POINTS	CALIBRATION FEE (Php)
Digital Thermo-Hygrometers	RH: 40 %, 60 % at 23 °C Temp: 20 °C, 25 °C, 30 °C	2 3	980
Enclosures such as Oven, Incubator, Autoclave, Water Bath, Refrigerator, Freezer	-30 °C to 250 °C	1	2,100
Furnaces	up to 1000 °C	1	2,100
Thermocouple	up to 1000 °C	4	1,680/test point 500/add'l test point

## THERMOMETRY

INSTRUMENT	TEST TEMPERATURE	GRADUATION /RESOLUTION	NO. OF TEST POINTS	CALIBRATION FEE (Php)
Liquid-in-Glass Thermometer	-30 °C to 250 °C	ALL	4	1,680 250/add'l test point
Digital Thermometer (Handheld)	-30 °C to 250 °C	ALL	4	1,680 250/add'l test point
Digital Thermometer (Handheld w/ TC or PRT probe)	-30 °C to 250 °C	ALL	4	1,680 500/add'l test point 840/add'l probe
RTD with Indicator (Comparison Method)	-30 °C to 250 °C	ALL	4	4,200 580/add'l test point
RTD Probe Only (Comparison Method)	-30 °C to 250 °C	ALL	4	7,500 750/add'l test point
Wall Thermometer, Bi-Metal Thermometer, Refrigerator Thermometer	-30°C to 250°C	ALL	4	1,400 210/add'l test point

## VOLUME- SMALL, DENSITY

EQUIPMENT	CALIBRATION FEE (Php)
Volumetric Flask	530
Volumetric Pipet	530
Specific Gravity Flask (Pycnometer, Density Cup)	530
Glass Buret (5 test points)	1,470 + 530/add'l test point
Measuring / Graduated Pipet	530 + 530/add'l test point
Piston Pipette, fixed volume (from 100 µL)	1,470 per channel
Piston Pipette, variable volume (from 1000 µL)	1,470 (three points per channel)
Digital Buret / Displacement Buret (3 test points)	1,470 + 530/add'l test point
Digital Densitometer	1,400 /per liquid
Glass Hydrometer	940
Grain Moisture Meter	1960
Wood Moisture Meter	840
Thermal Conductivity Testing	1400

## VOLUME, BIG

EQUIPMENT	CALIBRATION FEE (Php)
Test Measure, 10 L (Volumetric)	300
Test Measure, 20 L (Volumetric)	600
Test Measure, 10 L (Gravimetric)	1,800
Test Measure, 20 L (Gravimetric)	2,800
Proving Tank, up to 250 L (Gravimetric Method)	4,200
Compact Prover / Pipe Prover	6,000
Coriolis / Mass Flow Meter	3,360

## VOLUME, BIG - ROAD TANKERS (Vehicle/Trailer Tanks)

CAPACITY, in L	CALIBRATION FEE (Php)
Up to 10 000	710
12 000	840
14 000	990
16 000	1,130
17 000	1,200
18 000	1,260
20 000	1,420
20 500	1,490

22 000	1,560
24 000	1,700
26 000	1,830
28 000	1,970
30 000	2,120
32 500	2,270
36 000	2,550
38 000	2,680
40 000	2,820