

**MECHANICAL**

Sr. No.	Name of Instrument	Calibration Range	Charge (Rs.)	Charge for Master Instrument (Rs.)
1.	Vernier Caliper (Digital/Analog) (OD measurement)	0-150 mm	300/-	1000/-
		0-200 mm	350/-	
		0-300 mm	400/-	
		0-450 mm	450/-	
		0-600 mm	500/--	
	ID Measurement	On request	100/-	
	Depth Measurement	On request	100/-	
2.	Micrometer (Digital/Analog)	0-100 mm	300/-	500/-
		0-200 mm	350/-	
		0-300 mm	400/-	
		0-400 mm	450/-	
		0-500 mm	500/-	
		0-600 mm	750/-	
		Interchangeable anvils setting charges (per anvil)	0-100mm	
		101-200 mm	100/-	
	201-600mm	200/-		
3.	Height Gauge/Depth Gauge	0-300 mm	400/-	1000/
		0-450 mm	500/-	
		0-600 mm	600/-	
4.	Dial Thickness Gauge/Dial Indicator (Plunger type)	0-25 mm	400/-	500/-
		0-10 mm	300/-	
		0-1 mm	250/-	
5.	Dial Indicator (Lever type)	LC- 0.01 mm	350/-	500/-
		LC- 0.001 mm / 0.002 mm	400/-	
6.	Snap Gauge	0-50 mm	150/-	500/-
		51-100 mm	200/-	
		101-150 mm	250/-	
		151-300 mm*	300/-	
7.	Measuring Scale/Tape*	upto 300 mm	400/-	1000/-
		Upto 1000 mm	600/-	
		Above 1000 mm	1000/-	
8.	Bore Gauge with dial (upto 1mm travel)	-	500/-	-
9.	Radius Gauge*	Per set	750/- (minimum) 90/- per piece	-
10.	Bevel & Angle Protector*	-	600/-	-
11.	Combination Set*	-	750/-	-
12.	Feeler Gauge	Per leaf	30/-	-
13.	Measuring Pin	Upto 10 pcs.	50/- per pin	
		Above 10 pcs	30/- per pin	
14.	Coating Thickness Gauge*	-	800/-	--
15.	Foil Calibration (each)*	-	100/-	
16.	Eye Piece*	-	800/-	
17.	Sprit Level*	-	950/-	
18.	Plain Plug Gauge	Up to 85 mm	250/-	-
		85 - 200 mm	350/-	
19.	Plain Ring Gauge	3 - 25 mm	200/-	-
		25 - 100mm	250/-	
		101 - 300mm	350/-	
20.	Thread Plug Gauge	1 - 50 mm	350/-	-
		51-100 mm	400/-	-
21.	Thread Ring Gauge	4- 50mm	350/-	-
		51- 100 mm	450/-	

22.	Surface Roughness Master*	Single unit	1500/-	-
23.	Surface Plate*	Per sq. cm.	0.50/-	-
24.	Slip Gauge Blocks 0.5 to 100mm (grade I, II)	Upto 5 pcs.	200/- per piece	-
		6-10 pcs.	100/- per piece	-
		11-45 pcs.	50/- per piece	-
		Set of 46 pcs.	2300/-	-
		Set of 87 pcs.	3500/-	-
		Set of 112 pcs.	4,000/-	-
		Set of 118 pcs.		-
		Set of 122 pcs.		-
25.	Template/Try Square*	-	450/-	-
26.	Length Bar	Up to 100mm	300/-	-
		101- 185 mm	350/-	-
		185 mm – 280 mm	400/-	-
27.	Test Sieve*	-	700/-	-
28.	Ford Cup/Density Cup*	-	500/-	-
29.	Magnetic V-Block*	-	500/-	-
30.	Knuckle Gauge*	For two measurements	750/-	-
		For three measurements	850/-	-
		For five measurements	950/-	-
31.	Pulley*	-	750/-	-
32.	Calibration Slide*	-	800/-	-
33.	Thread Pitch Gauge*	Per set	850/-	-

• **PRESSURE / VACUUM**

Sr. No.	Name of Instrument	Calibration Range	Charge (Rs.)	Charge for Master Instrument (Rs.)
1.	Pressure Gauge	Upto 30 Kg/cm <sup>2</sup>	250/- (coarse accuracy)	1000/-
			300/- (fine accuracy)	
		Upto-100 Kg/cm <sup>2</sup>	300/-	
		upto-700 Kg/cm <sup>2</sup>	350/-	
2.	Vacuum Gauge	0-600 mmHg	350/-	1000/-
3.	Magnehelic Gauge/Manometer/ Differential Gauge*	Digital/Analog	750/-	1200/-
4.	Pressure/Vacuum Transmitter	Digital/Analog	750/-	-
5.	Pressure /Vacuum Switch	-	750/-	-
6.	Dead Weight Tester*	Upto 700 Kg/cm <sup>2</sup>	-	4000/-
7.	Burst strength tester*	-	1000/-	-
8.	Compound Gauge	-	650/-	-

• **MASS / VOLUMETRIC**

Sr. No.	Name of Instrument	Calibration Range	Charge (Rs.)	Charge for Master Instrument (Rs.)
1.	Laboratory Weights	1 mg to 200 g	900/-	1500/-
2.	Laboratory Balance	1 mg to 200 g	800/-	1500/-
3.	Dead Weight*	Above 200 g	500/- each	1000/-
4.	Weighing Balance	Above 200 g and upto 60 kg	1500/- each	3000/-
		Above 60 kg	2200/- each	
5.	Volumetric (Flask/ Beaker/ Burette/ Pipette/ Syringe)	Upto 1000 ml	700/-	1000/-
6.	Spring Balance	-	750/-	-

7.	Hydrometer*	-	800/-	-
8.	Tank*	Upto 1 KL	2500/-	
		Upto 5 KL	3500/-	
		Upto 10KL	5000/-	
		Upto 25 KL	6500/-	
		Upto 50 KL	7500/-	
		Upto 100 KL	10,000/-	

• **FORCE /TORQUE**

Sr. No.	Name of Instrument	Calibration Range	Charge (Rs.)	Charge for Master Instrument (Rs.)
1.	Hardness Tester (Rockwell/Brinell)*	-	1000/-	-
2.	Rubber/Shore Hardness Tester*	-	1000/-	-
3.	Torque Wrench*	-	900/-	-
4.	Tension Gauge*	-	1000/-	-
5.	Electric Screw Driver*	-	800/-	-
6.	Tablet Hardness Tester*	-	1000/-	-
7.	Torque Gauge / Tester*	-	1500/-	-
8.	Torque Meter*	-	1800/-	-
9.	Push Pull Gauge/Force Gauge*	-	800/-	-

• **THERMAL**

Sr. No.	Name of Instrument	Calibration Range	NABL charge (Rs.)		Master (5 points)
			3 points	addl. Point @	
1.	Thermometer (Glass/ Digital)	-40..50°C	400	100	1500
		-10..110°C	400	100	
		-10..250°C	550	100	
		0..360°C	550	100	
2.	*Infrared/ Laser Thermometer	-40..1100°C	900	200	1500
3.	Dry & Wet Thermometer	-10..50°C	700	150	1500
4.	Thermocouple/ RTD / PRT/ Temperature Gauge (with/without Indicator)	-40..120°C	400	100	1500
		-40..300°C	550	150	
		-40..400°C*	750	150	
		25..120°C	400	100	
		25..700°C	600	150	2500
25..1100°C	800	200			
5.	*Hygrometer / Relative Humidity meter	upto 95%	400	100	900
6.	Thermo-hygrometer*	Upto 80°C, 95%	750	100	1500
7.	Oven / Incubator	Up to 400°C	1000	250	2500
8.	Muffle furnace	Up to 700°C	1200	300	2500
		Up to 1100°C	1500	300	3000
9.	Low temperature chamber	-40 to 400°C	2000	300	5000
10.	*Humidity chamber/Environmental Chamber	Up to 99%	1500	250	3000
11.	Temperature Calibrator	-40..400°C	2000	400	-
		-40..700°C	2500	600	-
		-40..1100°C	3000	800	-
12.	Temperature scanner/ recorder (per channel)	-	500	150	-
13.	Environmental / Low Temperature Chamber (Thermal mapping with 13 sensors)	-	8500	2000	-

• **ELECTRO-TECHNICAL**

Sr. No.	Name of Instrument	Calibration Range	NABL Charge (Rs.)	Additional range/ mode	Charge for Master Instrument (Rs.)
1.	3.5 digit Multimeter/ Clamp meter	VIR (5 ranges)	1000/-	200/-	2000/-
2.	4.5 digit Multimeter/ Clamp meter	VIR (5 ranges)	1300/-	250/-	2500/-
3.	5.5 digit Multimeter	VIR (5 ranges)	2000/-	500/-	4000/-
4.	DC Voltmeter	1mV to 1000 Volt	400/-	100/-	1000/-
5.	AC Voltmeter	10mV to 1000 Volt	400/-	100/-	1000/-
6.	Ampere Meter (AC/DC)	1 to 20 Ampere	400/-	100/-	1000/-
7.	DC Micro/ Milli Ampere Meter	1uA to 1000mA	600/-	200/-	1500/-
8.	AC Micro/ Milli Ampere Meter	30uA to 1000mA	600/-	200/-	1500/-
9.	Ohm / Resistance Meter	1Ω to 100MΩ	500/-	150/-	1200/-
10.	Milli Ohm Meter	10 mΩ to 1000mΩ	600/-	200/-	1500/-
11.	*Micro Ohm Meter	1uΩ to 10mΩ	750/-	250/-	2000/-
12.	Frequency Meter	-	500/-	150/-	1000/-
13.	Watt Meter	Single Phase	600/-	200/-	1200/-
14.	Power Clamp Meter/ Power analyser	VAW	1500/-	300/-	5000/-
15.	*Power Factor Meter	Single Phase	500/-	-	1000/-
16.	LCR Meter	-	4000/-	1000/-	5000/-
17.	LCR Meter (each parameter)	-	1500/-	-	2500/-
18.	Capacitance Meter	-	1000/-	-	2000/-
19.	IR Tester	-	800/-	-	2000/-
20.	Milli Volt Calibrator	Source & Sink	1000/-	500/-	-
21.	Multi-function calibrator	3.5 digit	450/- per mode	-	-
		4.5 digit	550/- per mode	-	-
		5.5 digit	650/- per mode	-	-
22.	AC/DC Voltage Source (Volt & Current)	upto 1000 VDC/ 750 VAC upto 10 Ampere	1000/-	-	2000/-
23.	Frequency Generator	-	1000/-	500/-	2500/-
24.	*High Voltage Test Set (AC/DC)	upto 10 KV	1000/-	-	-
25.	*HV Probe with Meter	upto 10 KV	1000/-	-	-
26.	CRO	Single Channel	2000/-	-	-
		Dual Channel	2500/-	-	-
27.	Decade Box (L/C/R)	-	1000/-	-	-
28.	*Kelvin Bridge	-	2000/-	-	-
29.	*Current Transformer/ Shunt	-	1000/-	-	-
30.	*Potential Transformer	-	1000/-	-	-
31.	*Witschi Tester	Each mode	500/-	-	-
32.	*Turn Tester	-	1500/-	500/-	-
33.	*Transformer Ratio Meter	-	1500/-	-	-
34.	*RTD Simulator	-	800/-	-	-
35.	Temp. Indicator	-	450/-	-	-

• **PROCESS**

Sr.No.	Name of Instrument	Calibration Range	Non-NABL Charge (in Rs.)
1.	*pH meter	-	600/-
2.	*Conductivity meter	-	600/-
3.	*Stop watch / Digital Timer/ Counter	-	500/-
4.	*Tachometer	Non-contact type	500/-
		Contact type	700/-
5.	*Anemometer	-	3000/-
6.	*Flow-meter / Rota-meter	-	1500/-
7.	*Gauss meter	Up to 10000 Gauss	1000/-
8.	*Sound level meter	-	1000/-

Service tax as applicable.

\* marked items are presently not under NABL scope.

*It is preferred to get calibration for full range / parameters in an instrument, however minimum three points / ranges / parameters is mandatory, where applicable.*

- Special Note:**
1. 10% discount will be provided on NRTC's consortium membership.
  2. Normal delivery period one working week or as per commitment from date of receipt of instruments.
  3. The charges mentioned above are for normal period of delivery of instrument.
  4. If calibration is requested with urgent delivery of instrument, express charge (1.5 x normal) will be levied to the customer.
  5. If company does not provide conveyance for the onsite calibration job, taxi charge will be as per actual.
  6. For sending report through Post / courier, charges will be extra as per actual.
  7. The charges are normally payable in advance by DD drawn in favour of Director, NRTC, payable at Parwanoo.
  8. The full Payment must be made by the time of delivery of instrument/ report.
  9. The validity of quotation is for 90 days.