

METROLOGY & INSTRUMENTATION LABORATORY



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METROLOGY LABORATORY EQUIPMENT

S.No.	Name of the Equipment
1.	Slip gauge set, set of 103 pieces, Grade – I, Mitutoyo make
2.	Tool Makers Microscope & 2 No.s of displacement sensors, with 2 channel DRO & standard accessories
3.	Vernier caliper 200mm
4.	Outside Micro meter 0.01mm, 0-25mm
5.	Outside Micrometer 25-50mm
6.	Dial Bore gauge (L.C.0.01mm) 18-35m
7.	Dial Bore gauge 35-60mm
8.	Dial Bore gauge 50-150mm
9.	Gear tooth vernier caliper (china make)
10.	Dial gauge 0.01mm 10mm with Jafuji magnetic stand
11.	Bevel Protractor with 150 & 300mm blades
12.	Sine bar 100mm
13.	Talysurf portable surface finish tester
14.	Spirit level Jafuji 150 x 0.02mm/meter
15.	Screw pitch gauge Metric 60° Mitutoyo 188-122
16.	Screw pitch gauge w/w 55° Mitutoyo 188-111
17.	Steel rule 300mm
18.	Kristeel
19.	Steel rule 600mm Kristeel
20.	Steel rule 1000mm Kristeel surface plate granite
21.	Surface plate Granite Grade “0” Jafuji make 1000 x 630mm with stand
22.	Surface plate cast iron Grade-I with stand 630x630mm
23.	Telescopic gauge set 8-150mm Mitutoyo

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24.	Precision Bench centre Jafuji 500x125mm
25.	Go/No thread ring gauge "HIP" M6 x 1-6g
26.	Go/No Go screw thread plug gauge HIP M8,12, 16 – 6H
27.	Three wire set with micrometer holder for thread measurement
28.	Vernier height gauge "Aditya" 300mm (12")
29.	Vernier height gauge 'Aditya" 450mm(18")
30.	Adjustable snap gauge 6-13mm
31.	Adjustable snap gauge 19-25mm
32.	Adjustable snap gauge 13-19mm
33.	Adjustable snap gauge 25-32mm
34.	Maxi dial gauge stand Granite base Jafuji make
35.	Micrometer stand
36.	Feeler gauge set 150mm
37.	Dial test indicator 0.01mm Mitutoyo
38.	Internal Micro Meter Caliper type 5-30mm
39.	Internal Micro Meter
40.	caliper type 25-50mm
41.	Digital inside micrometer 5-30mm
42.	Digital out side micrometer 0-25mm
43.	Surface Finish tester (SJ-210)

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INSTRUMENTATION LABORATORY EQUIPMENT

Sl.No.	Name of the Equipment
1	(a) Temperature measurement using Thermistor unit – 1 (b) Water bath with power cord – 1 (c) Thermistor Probe (d) Thermometer 0-100°C – 1
2	(a) Temperature measurement using (b) thermocouple unit – 1 (c) Water bath with power card – 1
3	(a) Measurement of Vibration unit – 1 (b) Variable speed motor assembly with piezo electric sensor – 1
4	(a) Measurement of speed unit – 1 (b) Variable speed motor with sensor fitted photo and magnetic – 1
5	Flow measurement set up using Rotameter
6	KIT/Experimental set-up to study the acceleration
7	Strain gauge setup
8	Digital Tacho Meter
9	Stop clock Esal & Thermometers
10	Eveready AAR charger with batteries
11	Stop clock Esal
12	Calibration of transducer for temperature measurement
13	LVDT
14	Strain gauge for pressure measurement
15	Capacitor transducer for angular displacement
16	RTD for temperature measurement
17	Non contact type digital tachometer
19	McLeod gauge with vacuum pump
20	5KVA Servo Stabilizer
21	Capacitor transducer for angular displacement