

LAB NAME: MEASUREMENTS & INSTRUMENTS LAB

S.NO	Name Of The Equipment	Configuration /Specification	Qty
1	Wheatstone bridge	5 Ω -100K Ω Accuracy (Min to Max.) $\pm 0.2 \pm 5\Omega$ Tolerance : $\pm 5\%$	5
2	Bourdon Tube Trainer Kit	Bourdon tube of (0-5) bar	1
3	CRO	Frequency range 3Mhz	10
4	Digital Storage Oscilloscope	Frequency range 5Mhz	1
5	Digital Function Generator	Frequency range 10Mhz	15
6	Digital Multi meter (6 1/2 Digits)	8 segment	1
7	Angle Measurements Kit	(Resistive Type) 0-350° protector.	2
8	I/P and P/I converters kit	Pressure range 3-15 psi Output current 4-20mA	1
9	LVDT kit	(Range:0-25mm) Range from-10mm to + 10mm Output voltage from -5V to +5V	4
10	Thermocouple Kit	AD590 sensor 'J' type thermocouple output: (0-5)V	4
11	Thermistor kit	Transducer output (5 - 0)V	4
12	Load cell Kit	(output0-5V)	4
13	Strain Gauge kit	output (0-5)V	4
14	RTD kit	One (Pt100) RTD RTD output (0-5)V	2
15	LDR kit	supply (0-12)V.	4
16	Hall Effect transducer	Output Voltage Range: (0-5V) Output Voltage Range: (0-5V)	3
17	Piezo-electric transducer	Operating range 0Hz to 180Hz Sensitivity 50mV/gram	3
18	DC position servo Trainer Kit	12V/30V, 8W d.c.	9
19	Potentiometric transducer	output voltage (0-5)V	2
20	DC potentiometer Cromton type	DC 1.5V	1
21	Kelvin Bridge	Tolerance : $\pm 5\%$ Digital voltmeter (Range +5V to -5V)	5
22	Schering Bridge	Measuring Range : 0.009F - 2.1F Sensitivity : $\pm 0.1F$ Tolerance : $\pm 5\%$	5
23	Anderson bridge	Measuring Range : 25mH - 500mH Sensitivity : $\pm 2mH$	5
24	Feedback Amplifier Kit	Speed range-1500rpm	2
25	Wein bridge oscillator	output of 1 KHz Resistance 10M Ω , 1M Ω , 100K Ω , 10K Ω , 1K Ω , 100 Ω & 10 Ω	2
26	DC Potentio meter	DC 1.5V	1
27	Study of transient kit	10K Ω , 1K Ω electrolyte capacitance	1
28	Instrumentation Amplifier	One 3½ display to indicate the voltage	1

29	Servo Voltage Stabilizer	Stabilizer the Line Voltage(230V)	1
30	Current Transformer	230V,50HZ ,AC	1
31	Capacitive transducer	3½ digit digital indicator provided 4-20A current range	5
32	Step response kit(RTD)	Capacity of 1200°C.	1