

ELECTRICAL AND ELECTRONICS MEASURING INSTRUMENTS LAB

About the Lab:

Block 6, 623B, First Floor, EEE Department, MAIT

Lab Incharge: Ms. Neha Aggarwal

Lab Assistant: Mr. Anish Bhatia

Lab Attendant: Mr. Deshraj



LIST OF EQUIPMENTS

S. NO.	ITEM DESCRIPTION	QUANTITY
1	Multi-Application board	2
2	Temperature transducers trainer	2
3	Transducer & instrumentation trainer	1
4	Digital strain indicator	2
5	Digital pressure calibrator	1
6	CRO	4
7	Digital Multi-Meter	3
8	Wheatstone bridge portable type with built in sensitive galvanometer and battery	2
9	Kelvin bridge	4
10	Anderson bridge	2

11	Owen's bridge	2
12	De-sauty bridge	2
13	Hay's bridge	2
14	Crompton potentiometer	2
15	Maxwell inductance bridge	3
16	Wein's capacitance bridge	1
17	Schering bridge	3
18	Water level measurement	1
19	Power supply 0-12 V DC, 10 amp	2
20	Conductivity attachment for Kelvin bridge	2
21	Galvanometer 30-0-30 division, sensitivity of 20 micro amp per division	6
22	Sine wave oscillator, fixed frequency-1kHz	11
23	Metal film resistance, 10 kilo ohm, 0.5 watt (in wooden/Bakelite box)	2
24	Metal film resistance, 2 kilo ohm, 0.5 watt (in wooden/Bakelite box)	1
25	Metal film resistance, 1 kilo ohm, 0.5 watt (in wooden/Bakelite box)	1
26	Air core inductance on box	3
27	Decade inductance box two dials	4
28	Decade inductance box single dial	1
29	Decade inductance box four dials	1
30	Decade capacitance box two dials	7
31	Decade capacitance box four dials	1
32	Function generator	3
33	Electronic standard cell 1.018 V DC	2
34	Testing of single and three phase electromechanical and electronic type energy meter	1
35	Measurement of power and power factor in three phase by two Watt meters using instrument transformer	1
36	Measurement of inductance and capacitance using CRO	1
37	Measurement of phase and frequency using CRO	1