

POWER ELECTRONICS LAB



EQUIPMENT LIST

Sl. No	Name of the Equipment	Qty
1	Expt kit for single phase series inverter Make : Frax	1
2	Expt kit for single phase bridge inverter with R&L loads Make : Frax	1
3	Expt kit for single phase Dual converter with R&RL loads Make : Frax	1
4	Expt Kit for static characteristics of SCR DIAC, TRIAC Make : Frax	1
5	Expt kit for characteristics of MOSFET Make : Frax	1
6	Expt kit for characteristics of IGBT Make : Frax	1
7	Expt Kit for Gate triggering methods of SCR's Make : Frax	1
8	Expt kit for single phase fully controlled converter with R , L and Motor loads Make : Frax	1
9	Expt kit for Forced commutation trainer Make : Frax	1
10	Expt kit for single phase parallel inverter with R & L loads Make : Frax	1
11	Three Phase half controlled bridge converter with RL-Load	1
12	VSI fed to induction motor 2HP	1
13	IGBT based four quadrant chopper fed to DC motor 1HP	1
14	Solder Iron Rods(25W) Make:Soldron	2
15	Solder remover pump	1
16	MC,DC HR-100 Educational Desktop meters with Desk stands Ammeters 0-25 mA Make : Oxford	10
17	Digital Ammeters	20

	Physitech 200mA, 200 μ A	
18	5A/50ohms single tube Open type Rheostat	3
19	2.8A/100ohms single tube Open type Rheostat	3
20	single tube Open type Rheostats 1A/100ohms,2A/100ohms,1.A/200ohms,2A/200ohms, 1A/50ohms,make-stead	1 Each
21	Bread Boards Make : Moraj Model : 10901	15
22	3 ½ digital multimeters Make : MECO Model : 603	13
23	Multimeters CIE – 123	9
24	Regulated DC Power supplies Model : TSD 30-2 Make : ITL	11
25	Regulated DC Power Supplies Model : TSD 30-2 Make : ITL	4
26	Regulated DC Power supplies Model : 8240D Make : Physitech	6
27	DigitalstorageOscilloscopes Make:owon30MHz	5
28	Digital storage Oscilloscopes Make:Synergy 50MHz	5
29	Function Generators Physitech - 102	5
30	Function Generators Physitech - 102	5
31	Isolation transformers with tapings 230V/5Amp, 1:1 Make : Frax	5
32	Buck and Boost converter	1
33	Single phase ac voltage controller	1
34	MOSFET ,IGBT,SCR modules	4 EACH
35	Single phase cycloconverter with R –RL loads	2
36	Single phase Dual converter with R –RL loads	2
37	Cascaded H-Bridge multilevel inverter with R-RL loads	1
38	Arduino boards	5
39	Tachometers(Digital)	2
40	960901-01 Analog discovery-NI edition	2
41	Function Generators 0.2HZ-2MHZ	5
42	Digital Ammeters 0-200mA	12
43	Digital Ammeters 0-200 μ A	12
44	Digital storage Oscilloscopes-50MHz	5
45	NI-My RIO Kits	2
46	HP PRO DESK 600,G3MT PCQ 270 CORE i5 Computers	2