

MECHATRONICS LAB

FACULTY IN-CHARGE : MR. KEDAR V. DATAR

SEATING CAPACITY : 20 STUDENTS

EXPERIMENTAL SET-UPS :

SR. NO.	DESCRIPTION OF EQUIPMENTS
A	BASIC PNEUMATIC TP 101 (15062669) consisting of following 23 items
01	Profile plate - 15062444
02	3/2 Panel Valve NC -15062445
03	3/2 Panel Valve NO- 15062446
04	5/2 Panel Mounted Valve – 15062447
05	Pressure Gauge Assembly 15062448
06	Quick Exhaust Valve- 15062449
07	3/2 Roller Lever Valve NC- 15062450
08	3/2 Roller Lever Valve Direct NC -15062451
09	5/2 Pneumatic Valve Single Sided - 15062452
10	5/2 Pneumatic Valve Double Sided - 15062453
11	Shuttle Valve (OR) - 15062454
12	Dual Pressure Valve -15062455
13	Time Delay Valve/Adjust NC Assly 15062456
14	One Way Flow Control Valve 15062457
15	Pressure Sequence Valve 15062458
16	Single Acting Cylinder 15062459
17	Filter Regulator – (Gauge Assembly) 15062460
18	Manifold Assembly 15062461
19	Plastic Tubing - 6204
20	T- Connectors – 153128
21	Connection Component Set 15062463
22	Pressure regulator Gauge Assembly 15062462
23	Double Acting Cylinder Assembly - 15065587

B	ELECTRO – PNEUMATIC TP 201/301 15062669 KIT consisting of 15 items
01	Relay Threefold – 162241
02	Electrical Signal Input – 162242
03	Electrical Indicator - 162244
04	Unit & Distributor Proximity Switch Reed Contact - 167060
05	3/2 Single Solenoid Valve with LED 167073
06	5/2 Single Solenoid Valve with LED -167074
07	5/2 Double Solenoid Valve with LED - 167076
08	Pneumatic Electrical Converter – 177459
09	Electrical Limit Switch (L) 183322
10	Electrical Limit Switch (R) 183345
11	Power Supply Unit -62382
12	Adapter Set -35651
13	Cable Set - 167091
14	Quick Push Pull Connectors - 153128
15	Equipment Tray- 120772

C	ELECTRO-NEUMATIC TP 201/301 SUPPLIMENTARY KIT WITH PLC – 15062669
01	Proximity Sensor Magnetic – 167060
02	Proximity Sensor Inductive - 178574
03	Proximity Sensor Capacitive 178575
04	Proximity Sensor Optical – 178577
05	T – Piece with Quick Push Pull fitting – 153128
06	Plug in Adapters – 323571
07	FEC – 20 PLC – 177428
08	Interface Box - 162231
09	I/O data Cable – 34031
10	Programming Cable between PLC & PC - 177431
11	Software CD for programming FESTO PLC

D	Text book of Pneumatic Basic Level TP101 - 93131
	Work Book of Pneumatic Basic Level - 94001
E	Text Book of Electro-Pneumatic TP 101/201 - 91181
	Work Book of Electro Pneumatic - 94466
F	Text Book PLC TP 301- 93311
	Work Book PLC Basic Level - 93314