



AC POWER GENERATION TRAINER MODEL: - IPC-2300 – MG (Suitable for 6 students at a time)

POWER SUPPLIES: -

AC SECTION.

1. Three phase main power supply siemens rated Value current rating (18A-24A) with protection.
 - Indication light.
 - Emergency OFF Push Switch.
 - Power requirement 380V/50 Hz.
2. Three phase main power supply siemens rated current rating (2.4A-4A) with protection.
 - Indication light.
 - Power requirement 380V/50 Hz.
 - Fixed in front panel.
3. Single phase AC Supply unit 230V,6A,50Hz, with fuse protection.
 - ON/OFF Switch.
 - Indication Light.
 - Output with safety socket (4mm)

4. Single Phase variable supply unit 230V,6A,50Hz with fuse protection.
 - ON/OFF Switch.
 - Indication Light.
 - Output with safety socket (4mm)
5. Three phase separate output supply with ON/OFF switch
Supply terminals with 4mm banana socket L1, L2, L3, N,E.
6. Three Phase separate output supply for three phase motor run with star delta connection.
 - ON/OFF Switch.
 - 380V, 50Hz.

METERS FOR MEASUREMENTS.

- AC VOLT METER. (4Nos.)
Range 0-----500V accuracy class 1.5,
connection available 4mm safety socket panel mount (96x96).
- AC AMPERE METER. (4Nos.)
Range 0-----10A accuracy class 1.5,
connection available 4mm safety socket panel mount (96x96).
- POWER METER.
Range 0-----2Kw accuracy class 1.5,
connection available 4mm safety socket panel mount (96x96) Three phase.
- POWER FACTOR METER.
Power factor 0-----1-----0
Phase angle -90° (cap)-----0-----+90° (ind)
Accuracy class 1.5
- FREQUENCY METER.
Range 47Hz----55Hz
Panel mount (96x96).
- DIGITAL RPM METER.
Range 0-----9999. Size (48x96) with sensor panel mounted.
- Connection Leads.
4mm safety connection lead one set.

AC DRIVE Variable Frequency Inverter: - Three phase variable frequency output from single-phase fixed frequency supply.

SYNCHRONOSCOPE

Rotating light meter with 28LED on a circular scale and zero Voltage differential indication with 2 LED.

Technical Features:

- Operating voltage: 380V (120Vmin)
- Operating frequency: 40 to 60 Hz

Motor:-

- Synchronous Generator
- Prime Mover

OPTIONAL Loading modules: -

- Resistive load,
- Capacitive Load
- Inductive Load
- Mechanical Break Load