



# AMPTRON

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# EDUCATIONAL EQUIPMENT



# 220 VOLT AC/DC POWER SUPPLY

## SPECIFICATIONS

### AC SUPPLY

Rated input voltage	220/230 V AC
Rated input current	5 A
Line frequency	50-60 Hz

### COMPONENTS

1.2 K W isolating transformer with the following input taps  
210, 220 and 230 volt AC.

COOLING 220 v 120 square fan

### AC OUTPUT

Variac	1.2 kW, 0 - 220 V AC
Rated output voltage	0 220 V AC
Rated output current	5 A

### DC OUTPUT

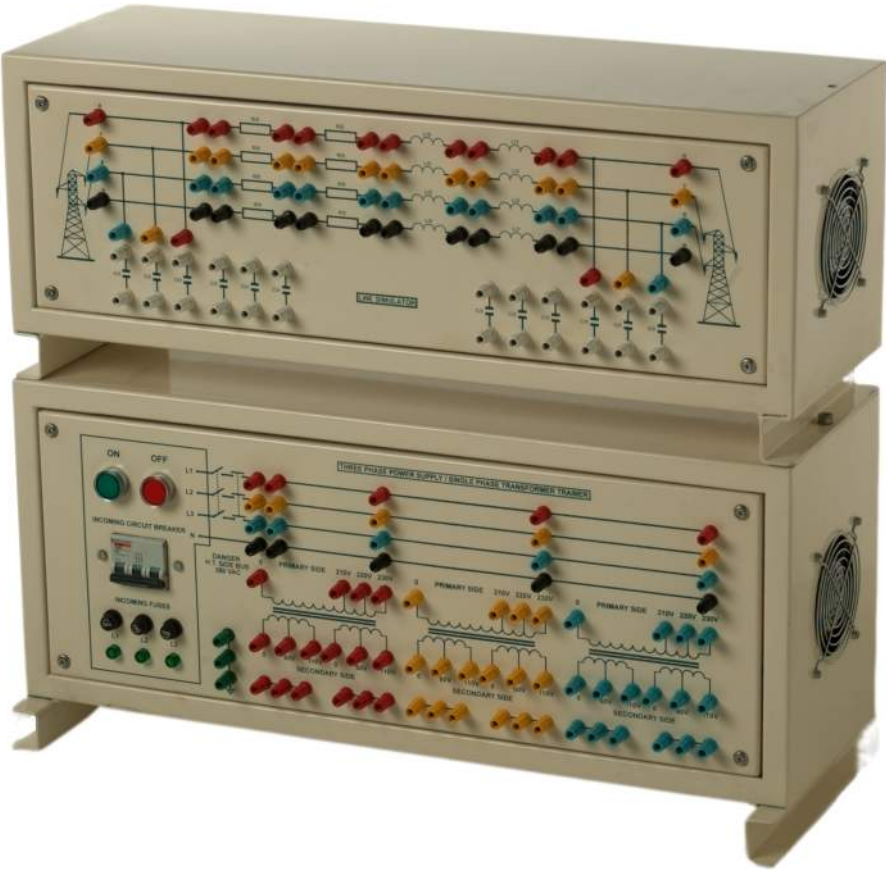
Rated output voltage	0 - 220 V DC
Rated output current	5 A
bridge rectifier	35 A 1200V DC
Capacitance	10000 micro farad 250 V

### PROTECTION

Mains	2 pole Hager 5 amp D curve MCB
Primary fuse	5 Amp fuse
Secondary	5 Amp fuse
DC fuses	1 x 5 Amp fuse Negative 1 x 5 Amp fuse positive

# LINE SIMULATOR

THREE PHASE POWER SUPPLY  
SINGLE PHASE TRANSFORMER  
TRAINER



## LINE SIMULATOR

### SPECIFICATIONS

#### COMPONENTS

- 8 x Inductors            0.01 H at 50 Hz
- 8 x Power resistors    1.5 Ohm 50 Watt
- 12 x Capacitors        16m Farad 450 V

COOLING                            220 v 120 square fan

#### PROTECTION

- Capacitor discharge resister built in
- Fan                                    125 mA fuse

## THREE PHASE POWER SUPPLY SINGLE PHASE TRANSFORMER TRAINER

### SPECIFICATIONS

#### AC SUPPLY

- Rated input voltage        380 V AC 5 wire system
- Rated input current        3 A
- Line frequency            50-60 Hz

#### COMPONENTS

- 3 x 600 W isolating transformer with the following input taps 210, 220 and 230 volt V AC.
- Total power consumption: 3 x 600 W = 1.8 K W

#### AC OUTPUT

- Rated output voltage 60, 110, 170, 220 and 380V
- Rated output current 3 Amp

- COOLING                            220 v 120 square fan
- Out going mains        3 x chassis mount sockets
- On/Off illuminated latching contactor

#### PROTECTION

- Mains                                3 pole M&G 3 amp D curve MCB
- Mains incoming        3 x 3 Amp fuses
- Mains out going        1 x 5 amp fuse

## RLC PANEL

## THREE PHASE MULTI TAP TRANSFORMER TRAINER



## RLC PANEL

### SPECIFICATIONS

#### AC SUPPLY

Rated input voltage	220 VAC
Rated input current	125 mA
Line frequency	50-60 Hz

#### COMPONENTS

Variable inductor	400 mH at 50 Hz
Variable power resistor	100 Ohm 500 Watt
Capacitors	selectable in 1 m Fd steps to 60 m Farad 450 V maximum
COOLING	220 v 120 square fan

#### PROTECTION

Capacitor discharge resister built in	
Variable inductor	2.5 A fuse
Var power resistor	2.5 A fuse
Fan	125 mA fuse

## THREE PHASE MULTI TAP TRANSFORMER TRAINER

### SPECIFICATIONS

#### AC SUPPLY

Rated input voltage	380 V AC 5 wire system
Rated input current	5 A
Line frequency	50-60 Hz

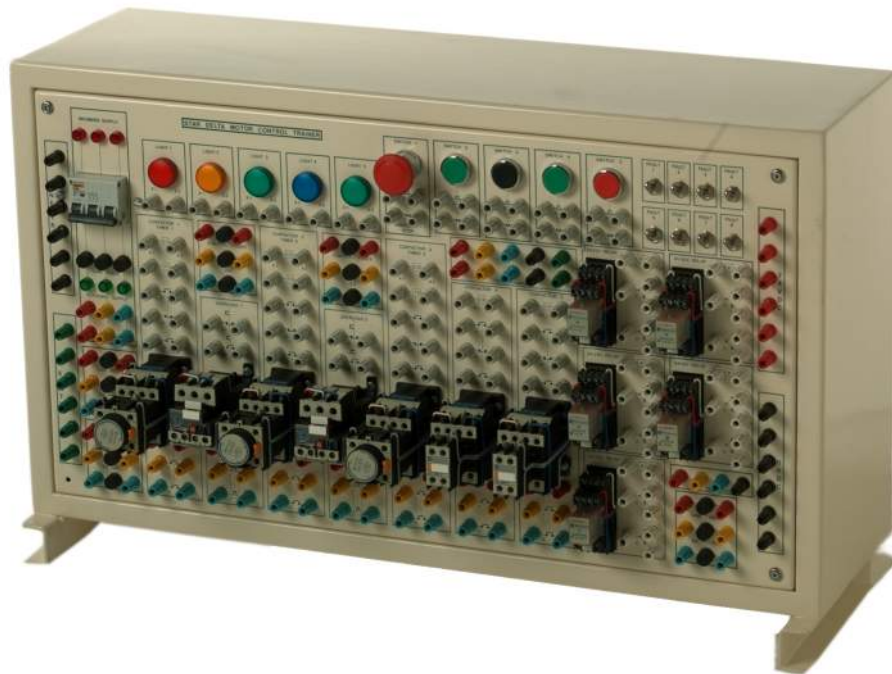
#### COMPONENTS

1 x 380 V 3 K W multi tap transformer with taps at 0, 12, 24, 48, 60, 120 and 220 volt. Can be connected star to star, delta to delta, star delta and delta star

COOLING 220 v 120 square fan  
Out going mains 3 x chassis mount sockets  
thermocouples embedded in transformer core  
On/Off illuminated latching contactor  
fan defeat switch

#### PROTECTION

Mains	3 pole M&G 5 amp D curve MCB
Mains incoming	3 x 5 Amp fuses
Mains out going	1 x 5 amp fuse



# STAR DELTA MOTOR CONTROL TRAINER

## SPECIFICATIONS

The Star Delta Motor control Panel has been designed to operate with both 380V and 220V motors. The components are rated as follows:

**CIRCUIT BREAKER:** Triple pole 10A D curve motor breaker.

**MAIN FUSES:** 10A fuses.

**FUSE CARRIDGE HOLDER:** 16A heavy duty.

**BINDING POSTS:** 20A continuous rating

**TIMER AND CONTACTOR COILS:** 220V 50Hz

**RELAYS COIL:** 24V DC

**TIMER AND CONTACTOR CURRENT RATING:** 9A at AC3 rating  
25A at AC1 rating

**RELAY CURRENT RATING:** 5A

**TIMER DURATION:** 0 to 30 seconds

**OVERLOAD SETTING:** 2,5 Amps to 4 Amps



# 15-0-15 VOLT AC POWER SUPPLY

## SPECIFICATIONS

### AC SUPPLY

Rated input voltage	220/230 V AC
Rated input current	300 mA
Line frequency	50-60 Hz

### COMPONENTS

60 Va isolating transformer with variac

### AC OUTPUT

Rated output voltage	0 - 30 V AC
Rated output current	2 A

### PROTECTION

Mains	Fused
Secondary	Fuse on each tap





## **EQUIPMENT RACKING SYSTEMS**

### **BUILT TO SUIT CLIENTS INDIVIDUAL NEEDS**



**This system eliminates space problems and keep student together in a workable group. Old an new equipment can be used together very cost effectively in the system with great results. When a piece of current equipment in the racking system become obsolete simply that piece of equipment need changing with minimum costing for brackets etc.**

**Built to suit clients individual needs. With side rails, Equipment can be positioned in any manner.**