



SALIENT FEATURES

Aesthetically designed injection moulded electronic desk (Master unit) carrying useful experiment resources Variable Power supplies / Status / Pulsar / Function Generator ,DPMs etc. while the central slot will carry replaceable experiment panel secured in an ABS molded plastic sturdy enclosure, and has colourful screw less overlay showing circuit & its connect ion tag numbers for easy connectivity.

Connection through Sturdy 4mm Banana Sockets & Patch Cords.

Hands on learning by constructing circuits using built in power bread board panel as well as optionally using Discrete component panel.

Set of Users Guide provided with each Unit.

Order 10 Master Units & multiples of 10 or more panels set.

SPECIFICATIONS OF MASTER UNIT

Built in Power Supply:

DC Supply : 5V / 1A. & \pm 12V, 500mA. 0 to 15V DC (Variable), 100 mA (Isolated)
0 to 30V DC (Variable), 100 mA (Isolated)
High Volt DC - 15V to 220 V, 100mA.
AC Supply : 12-0-12V AC, 150 mA. Short circuit protected

Built in Function Generator

Output Waveform : Sine, Triangle & TTL O/Ps
Output Frequency : 1 Hz to 1MHz in 6 ranges, with amplitude & frequency control pots.
O/P Voltage 20V p-p max. (Sin / TRG)

Modulation I/P : AM: - I/P voltage + 5V (100% modulation) O/P - For 0V (min), + 5V (max.) - 5V (Phase reversal of O/P) FM: I/P voltage \pm 400mV (+ 50% modulation)

Clock Generator: 10 MHz TTL clock.

Data Switches (10 no.) & bi-colour LED status indicators 10X2 nos, for High/Low indication.

Pulser switches (2 nos.) with four debounced outputs-2no.

BNC to 2 channel banana adapter-2no.

Logic probe to detect High/Low level pulses upto 1MHz, with bi-colour LEDs to indicate status.

2 / 4 digit 7 segment display with BCD to 7 segment decoder.

Onboard DPMs provided with mode/range selection.

(A) DC volt : 2V/200V - 1no.

(B) DC current : 2mA/200mA - 1no.

(C) DC Volts/Current : 20V/200mA - 1no.

Onboard moving iron meters provided for

(A) AC Current: 1 AMP - 1No.

(B) AC Voltage: 15V - 1No.

Onboard speaker - 8 Ohms, 0.5 Watt (1no.)

Onboard POTS : 1K--1no.

1M--1no.

Mechanical Dimensions

(A) **Master Unit:** 400mm (W), 125mm(H), 270mm (D)
Net weight: 8 Kg. **Gross Weight:** 10 Kg.

(B) **Panel:** 215mm (W), 165mm (H), 40mm (D)
Net weight: 700 gm approx.

Operating Voltage - 220/240Vac switch settable +/- 10%, 50Hz/72VA.

Note: Specifications are subject to change.

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