

VIJAYANTA

VIJAI ELECTRONICS
28/147, CIVIL LINES
ROORKEE - 247667



MAGNETIC AMPLIFIER DEMONSTRATION UNIT,

MODEL - M - 1 - 1700.

This is a very versatile unit which can be used for performing different experiments just by means of selector switches. All the control characteristics of basic transducers and Magnetic amplifier can be studied. The following gives a list of experiments that can be performed with this demo unit :



SPECIFICATIONS :

INPUT SIGNAL	:	(i) Control Signals : Maximum 500, mAmp DC through control winding for Amplistat circuit on auto-excited or self excited and bridge Amplistat mag. Amp. connection.
		(ii) AC Input in the load circuit 230 Volt, 6 Amps.
OUTPUT	:	(i) Maximum Power 250,VA D.C. (ii) Output Voltage can be varied upto 200 Volt D.C. (ii) Load current can be upto 1, Amps. D.C.
UTILITY	:	To demonstrated all the control characteristics of positive feedback and negative feedback of different basic magnetic amplifier circuits.

EXPERIMENTS THAT CAN BE PERFORMED :

1. Control characteristics of amplistat circuit on Auto excited or self excited Magnetic Amplifier polarized control characteristics.
2. Control characteristics of a bridge amplistat circuit.
3. Bistable operation of an amplistat circuit with positive and negative feedback.
4. Bistable operation of a bridge amplistat circuit with positive and negative feedback.

Accessories Required :

1. Variable Power Supply, Output : 0 – 30 Volt at 1 Amp.
2. Single Tube Rheostat : 100 ohm. / 1 Amp.
3. D.C. Ammeter, Range : 0 – 1 Amp. (Desk type)
4. Resistive Load.