

VIJAYANTA

VIJAI ELECTRONICS
28/147, CIVIL LINES
ROORKEE - 247667



ISO - 9001-2008
Certificate No. WSC-215028-A

VERIFICATION OF MAXIMUM POWER TRANSFER **THEOREM,** MODEL - M - 10 DC.

FEATURES:

- ** Regulated and short circuit proof fixed voltage source of + 5 Volt and Current source of 115, mAmp., suitable to the experimental board are builtin.
- ** Circuit is drawn on a decorated bakelite sheet and the components are mounted on the top of the panel for better and clear understanding.
- ** A complete working manual containing operating instruction, theory and circuit details will be supplied alongwith experimental set - up.
- ** Digital Voltmeter of 20, Volt and Digital Milliammeter of 200, mAmp., are provided on the board for the measurement of current and voltage of the circuit.
- ** Three fixed resistors for internal source resistance and a variable resistance on a eleven way band switch from 25, Ω in steps of 25 Ω are provided on the panel for the study of the theorem.



EXPERIMENTS:

1. Verification of Maximum Power Transfer Theorem for different internal source in case of .
 - (a) Voltage Source.
 - (b) Current Source.

OTHER APPARATUS REQUIRED:

Board is self sufficient.

NOTE:

Also available in A.C. circuit.