



VIJAI ELECTRONICS
28/147, CIVIL LINES
ROORKEE - 247667



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

COMPENSATING NETWORK TRAINER,

MODEL - CNS - 101.

- ** This unit is inside a metallic cabinet with front panel block diagram.
- ** All the necessary switches, potentiometer and test points are on the front panel.
- ** All the waveforms can be measured on a C.R.O.
- ** The features include simulated uncompensated system having adjustable damping, peak percent overshoot M_p , variable from 20% to 50% and steady state error variable from 50% to 0.5%.
- ** Compensation Network implementation through builtin variable gain amplifier.
- ** Gain is adjustable from 1 to 11.
- ** Builtin square and sine wave generator for transient and frequency response studies. Frequency adjustable from 25 to 800 Hz (Approximate).
- ** Builtin Regulated Power Supply : 220 Volt, $\pm 10\%$, 50 Hz mains operated.
- ** Detailed literature and patch cords.

Experiments can be perform :

1. Lag compensation in the frequency domain.
2. Lead compensation in the frequency domain.
3. Lag compensating in the s-plane.
4. Lead compensating in the s-plane.

Accessories Required :

1. A general purpose Dual Trace, Oscilloscope.