

Electrical Circuit And Network Total Lab Trainer

Model: LT-600TE

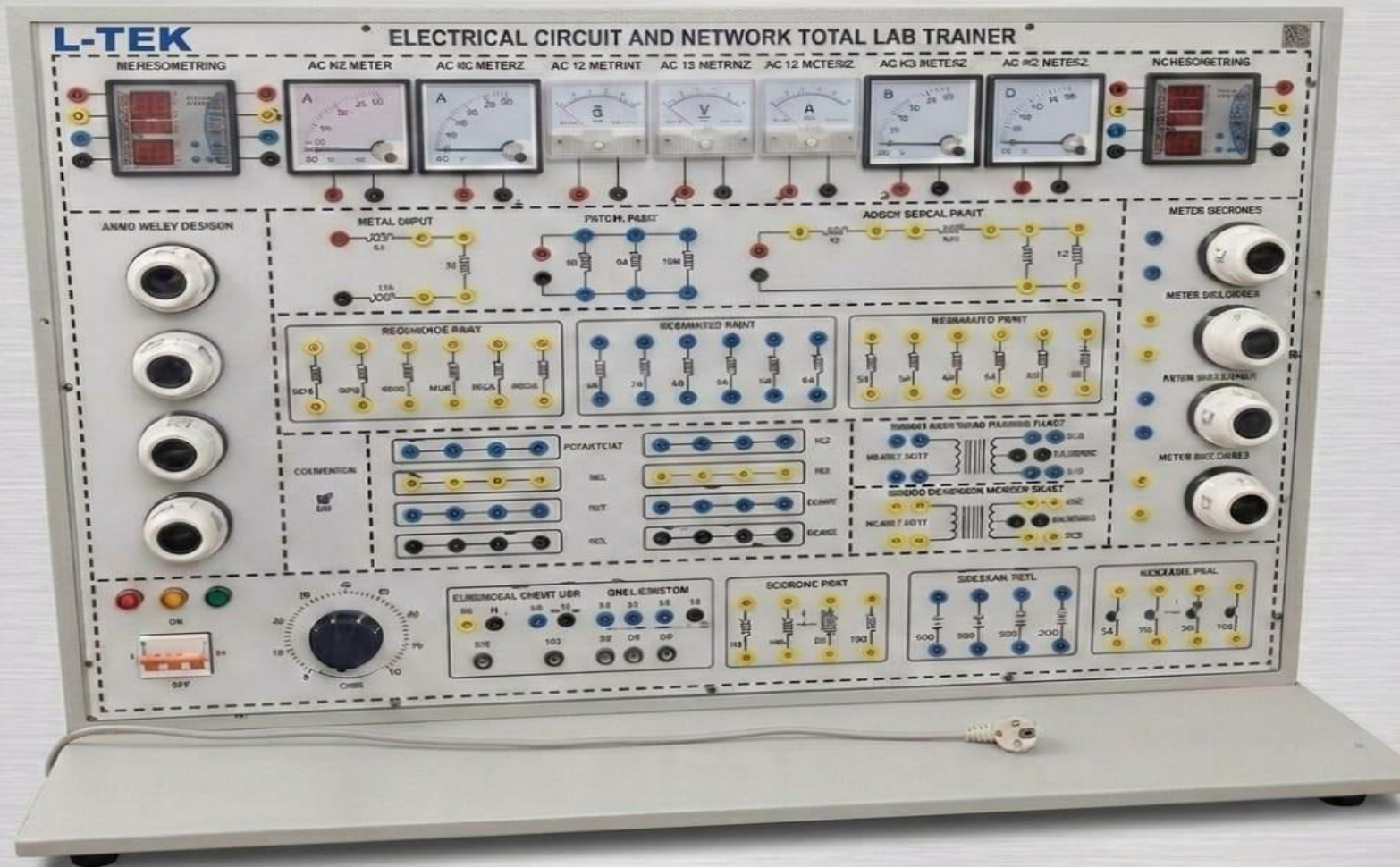
Hotline

01737252881



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ELECTRICAL CIRCUIT AND NETWORK
TOTAL LAB TRAINER

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Description:

- Study the characteristics of DC series, parallel, series-parallel or mixed circuit.
 - verification of Ohm's Law, Kirchhoff's Voltage Law (KVL), Kirchhoff's Current Law (KCL), Thevenin's Theorem, Norton's Theorem, Superposition Theorem, Maximum Power Transfer Theorem, Reciprocity Theorem etc.
 - Study the characteristics of pure resistive, inductive, pure capacitive circuit as individual, series, parallel connected condition.
 - Measuring Effective resistance, current, voltage, active power, apparent power, reactive power, power factor, constructing vector diagram of pure resistive, inductive pure capacitive, R-L, R-C, R-L-C series circuit or parallel circuit.
 - Determining phase sequence of 3 ϕ EMF source and measuring 3 ϕ voltage, current, power, power factor of star and delta connected resistive, inductive, capacitive load and also 3 ϕ star connected load's neutral voltage, neutral current of balanced and unbalanced load.
 - Measuring resonant frequency, Q-factor of R-L-C series and parallel circuit.
 - Study the characteristics of PFI device and improving power factor of a plant or a load.
- AC Power source for AC practical:
- Input voltage: 1 ϕ 220V AC, 50Hz; 3 ϕ 380 – 400V AC;
 - Output Capacity: Resistive Load: 220V, Capacity 1- ϕ 1000 W; 3- ϕ 1000 W;
 - Inductive Load: 220V, 50 Hz. Capacity 1- ϕ 120VAR-300VAR, 3- ϕ 350VAR ;
 - Capacitive Load: 220V,50 Hz., Capacity 1- ϕ 200VAR, 3- ϕ 200 VAR;
- DC Power Source:
- DC EMF source arrangement of Cells and Batteries.
- Measuring instrument:
- DCV & ACV Range: 1 mV to 600V
 - DCA & ACA Range: 1 μ A to 10 A
 - Resistance: 1 Ω to 40 M Ω
 - Capacitance: 1nF to 100 μ F
 - Digital Wattmeter: up 1 to 6000 watts
 - Power factor: 0.01 to 1.00
- Accessories:
- Connecting Cable for the panel will be supplied.

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Mobile

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CONTACT US