

**Description:**

The Transmission Line Model Training System is a modular, panel-mounted laboratory trainer designed for comprehensive power system education and experimentation. It enables detailed analysis of short, medium, and long transmission line models under low-voltage, three-phase AC operation. The system is suitable for undergraduate and postgraduate power system laboratories.

Key Features

- Modular transmission line model training system for power system laboratory experiments
- Simulation of short, medium, and long transmission line models
- Adjustable R, L, and C parameters for equivalent transmission line modeling
- Configurable nominal π (Pi), nominal T, and equivalent transmission line models
- Three-phase AC supply operation
- Panel-mounted design with clearly labeled experimental terminals

Experimental Capabilities

- Study of voltage regulation of transmission lines
- Analysis of line impedance characteristics
- Measurement and analysis of voltage drop and line losses
- Power flow analysis in transmission lines
- Determination of ABCD parameters of transmission lines
- Experimental studies on line impedance, capacitance, and inductance

Measurement & Instrumentation

- Measurement of sending-end and receiving-end voltage, current, power, and power factor
- Built-in digital meters for voltage and current measurement

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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India Sales: +91-9588842361



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- Measurement accuracy of $\pm 1\%$ or better

Power Supply

- Operating supply: 230V / 50 Hz

Applications

- Power system laboratory training
- Transmission line modeling and analysis
- Practical understanding of transmission line performance parameters

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