

Product Name :
Transmission Line Simulator

Product Code :
NET0037



Description :

Transmission Line Simulator

Technical Specification :

Description

The Transmission Line Simulator investigates single-phase and three-phase transmission lines. The configurable simulated transmission lines allow realistic studies of short, medium and long-distance transmission lines under variable load and power factor conditions, as well as with inserted faults.

The console is divided into two control panels, each with detailed mimic diagrams. The upper panel has a single phase transmission line equivalent circuit, and the lower panel a three-phase transmission line.

The lines may be loaded by the resistive, capacitive and inductive loads included. The effects can be monitored by instruments at the send and receive ends of the transmission lines. The single-phase transmission line includes a set of inductive impedances connected in series. Tapping points allow the user to:

- change the length of the simulated line;
- set up 'Pi' or 'Tee' methods of loss profiling using different values of capacitance;

monitor the voltage, current and power at any point along the line.

Electrical and Electronics

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