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Product Name :
Thyristor And Diode Converters

Product Code :
LBNY-0005-15900014



Description :

The multi-tapped transformers give a choice of single and three-phase AC voltages for connection to the diodes and thyristors. A centre-tapped inter phase transformer shows the effect of reducing circulating currents in rectifier circuits. The control panel has clear mimic diagrams with shrouded sockets. Students use shrouded leads to connect the different parts of the circuits. The parts include thyristors, diodes, inductors, transformers and smoothing capacitors. The Thyristor and Diode Trainer is a versatile teaching aid. It explores the principles and applications of thyristors, diodes and converters. A mix of standard analogue meters and a multifunction digital meter measure the currents and voltages in the circuits. Students use controls on the lower panel to adjust AC supply voltage and ballast resistance during experiments. A load inductor shows the effect of inductance when smoothing the AC ripple in rectifier circuits. Fast-blow fuses on the control panel protect the load side of experiment circuits.

Key Features:

- Selectable gate pulse monitor connection to compare firing pulse with output waveforms
- Fully equipped for both single and three phase experiments
- Transducers and oscilloscope included for wave form monitoring
- Internal or external thyristor firing control source
- Variable thyristor firing delay for studies of harmonics and effect of firing delay on output waveforms.

Technical Specification :

- Six thyristors
- Six diodes
- One interphase transformer

Internal and external thyristor firing control
Three multi-tapped transformers
One inductive load
Two resistive loads
Oscilloscope.



Laboratory Instrument India