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Product Name :
Geothermal Turbine Trainer

Product Code :
LBNY-0005-18900013



www.laboratoryinstrumentindia.com

Description :

Geothermal Turbine Trainer has multiple gauges for DC power (voltage and current) and several outputs for harnessing the electricity produced. Pressure relief and controls are mounted for safety. This system simulates an electric power generating plant, which uses a steam turbine.

The Geothermal Trainer shows students how thermal energy is used to generate electricity via a turbine, just as production wells use this source in geothermal power plants. Geothermal energy is a renewable and sustainable power source that comes from heat generated by the earth.

The amount of power generated is controlled by boiler pressure and/or the amount of fuel burned under the boiler. The student will burn pro-pane fuel or natural gas to generate steam, which is injected into a transparent turbine coupled to an electric generator, producing electricity.

Technical Specification :

Trainer to include:

Fischer Gas Burner

Steam Turbine Generator

Output Terminals

Eight 1" Panel Lights

2 1/2" Steam Pressure Gauge

2 1/2" Ammeter Field Current 0-3 Amps

2 1/2" Ammeter Output Current 0-3 Amps

2 1/2" Voltmeter Output Voltage 0-25 Volts.



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