



Email : sales@laboratoryinstrumentindia.com

Product Name :
Two Shaft Gas Turbine Study Unit

Product Code :
LBNY-0005-11200058



Description :

The exhaust gases produced by the combustion of the compressed air/gas mixture are made to expand first through the turbine of the turbocharger assembly in order to supply the energy necessary to compress the air and then through the power turbine coupled to the alternator through a toothed belt. The Two Shaft Gas Turbine Study Unit consists of a wheeled frame made of steel, of a panel with mimic diagram carrying the measurement instruments and of a base where the main components are installed, that is the combustion chamber, the turbocharger assembly, the power turbine and the alternator. The electric energy generated by the alternator is dissipated on a resistive load.

The Two Shaft Gas Turbine Study Unit is available in two versions:

Computerized version unit which allows, thanks to the electronic transducers and suitable Software, to display and/or print on personal computer the tables of results and diagrams of the experiments.

Basic unit in manual version.

Technical Specification :

Required services:

Propane/butane gas supply: from cylinder, 5 bar min

Water feeding: from mains

Electric supply: 220/380 V three-phase, 50-60 Hz; 3 kW

Weight and Dimensions:

Dimensions: 1800 x 780 x 1820 h mm

Weight: 350 kg.



Laboratory Instrument India