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Product Name :
Computerized Variable Compression Ratio Engine Test Bed

Product Code :
LBNY-0005-11200043



Description :

The Compression Ratio can be changed without stopping the engine and without altering the combustion chamber geometry by means of a specially designed tilting cylinder block arrangement. Setup is provided with necessary instruments for combustion pressure and crank-angle measurements. Computerized Variable Compression Ratio Engine Test Bed allows to perform experiments concerning this kind of engines. The unit consists of single cylinder, four stroke, Variable Compression Ratio (VCR) engine connected to eddy current type dynamometer for loading. Provision is also made to interface airflow, fuel flow, temperatures and load measurement. Rota meters are provided for cooling water and calorimeter water flow measurement. The test bed includes a stand-alone panel box consisting of air box, two fuel tanks for duel fuel test, manometer, fuel measuring unit, transmitters for air and fuel flow measurements, process indicator and engine indicator.

Technical Specification :

Weight and Dimensions:
Dimensions: 2000x2500x
Weight: 300kg.



Laboratory Instrument India

