

Product Name :
Multi Cylinder Engine Test Bed With Remote Control

Product Code :
NLAB-ENGINEERINGLB28005



Description :

Multi Cylinder Engine Test Bed With Remote Control

Technical Specification :

Multi Cylinder Engine Test Bed With Remote Control Lab Equipments Manufacturer, Suppliers & Exporters
Description of Multi Cylinder Engine Test Bed With Remote Control:

Multi-Cylinder Automotive Engine Test Bed has been developed to provide a facility for the practical demonstration of internal combustion engine technology. A comprehensive instrumentation package, data acquisition and computer control of facilities allows experimental analysis of engine performance parameters such as power, torque, speed and efficiency under various operating conditions, controlled and measured by a dynamometer and ancillary instrumentation. Display of all test parameters is via a remote PC screen, coolant & lubricant temperature is closed loop controlled to temperatures entered on the PC. A remote control console is provided to start/stop the engine with 10 turn potentiometers to control engine load & speed. Cussons offers two engine options that are sub-frame mounted to allow rapid engine changes. Coded engine connections ensure correct connection of services & instrumentation when the engine is changed.

Experimental Capability of Multi Cylinder Engine Test Bed With Remote Control:

Measurement of maximum torque and maximum power allowing of full load power against speed curves to be plotted

Determination of brake mean effective pressures

Analysis of part load torque, speed characteristics

Air flow rate

Fuel flow rate

Efficiency & fuel consumption characteristics at varying speed & load

Calculation of brake specific fuel consumption

Analysis of load characteristics at constant speed

Determination of volumetric efficiency

Determination air-to-fuel ratio

Determination of brake thermal efficiencies

Naugralabequipments

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