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Product Name : Multi Cylinder Engine Test Bed With Remote Control	**Product Code :** ASTRALAB-SUPPLYA21080

Description :

Multi Cylinder Engine Test Bed With Remote Control

Technical Specification :

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. Multi-Cylinder Automotive Engine Test Bed has been developed to provide a facility for the practical demonstration of internal combustion engine technology. A remote control console is provided to start/stop the engine with 10

turn potentiometers to control engine load & speed. Display of all test parameters is via a remote PC screen, coolant & lubricant temperature is closed loop controlled to temperatures entered on the PC. Display of all test parameters is via a remote PC screen, coolant & lubricant temperature is closed loop controlled to temperatures entered on the PC. 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.

Determination of brake thermal efficiencies.

Analysis of load characteristics at constant speed.

Determination of volumetric efficiency.

Determination air-to-fuel ratio.