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Product Name :
Automotive One Engine Test Set

Product Code :
LBNY-0005-1680003



Description :

A gasoline Briggs and Stratton air cooled OHV engine, is offered as an engine option. Alternatively a diesel engine, the is offered as a separate alternative. The engine and dynamometer are carried on a solid steel baseplate resiliently mounted within a steel framework. Automotive 1 Engine Test Set is the smallest engine test in the ranges. It is a self-contained compact unit designed for easy installation and bench mounting. An automotive alternator is used as a dynamometer to load the engine and dissipate the power in a resistive load bank. The instrumentation and control panel is mounted on the front of the frame. Included within the engine framework are the fuel system, which incorporates a fuel tank and fuel solenoid valve, and the air induction system.

Features:

Self-contained, compact easily installed bench mounted unit.
Fully instrumented for air and fuel flow, exhaust temperature, speed and power.
Optional PV System
Electrical AC dynamometer and load bank.
Optional Single Cylinder Diesel Engine
Optional Data Acquisition System
Optional Single Cylinder Gasoline Engine.

Technical Specification :

Experimental Capability:

Effect of mixture on gasoline engine performance and fuel consumption.
The gasoline unit is provided with a lean/rich fuel mixture device.

Engine performance curves at full and part load
Effect of mixture strength on gasoline engine performance and fuel consumption.
Engine efficiency and fuel consumption variation with speed and load.



Laboratory Instrument India