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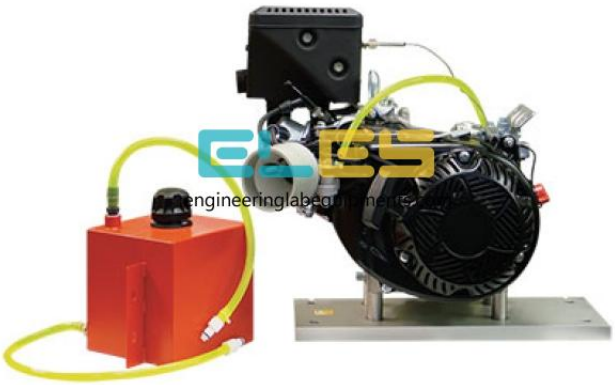
Product Name : Small Engine Test Set	**Product Code :** ENGLABINGCAG6900005



Description :

Small Engine Test Set

Technical Specification :

A versatile hydraulic engine test bed with comprehensive instrumentation.
The equipment is fully compatible with Versatile Data Acquisition System.
Using this enables accurate real-time data capture, monitoring and display, calculation and charting of all relevant parameters on a computer making tests quick and reliable.
When used with one of optional single-cylinder engines, it safely and effectively enables study and demonstrations of the most important features of the engine.
In addition, optional ancillaries are available to extend the range of study, demonstrations and investigations even further.

The main components of the test set are:
A bench-mounted instrumentation frame
A heavy fabricated portable bed
The bed sits on a trolley for portability. It includes a robust, precision-machined, trunnion - mounted hydraulic dynamo meter.
A significant advantage of using a hydraulic dynamo meter is that no large electrical supplies are required as the engine power is dissipated into the water used to load the dynamo meter.

Specifications:
Dynamo meter: Hydraulic variable fill

Speed measurement: Proximity pick up and digital display
Ambient air temperature and barometric pressure measurement: Thermocouple, pressure transducer and digital display
Exhaust temperature measurement: Engine thermocouple and digital display
Torque measurement: Strain gauged load cell and digital display
Air consumption measurement: Air-box and orifice plate, pressure transducer and digital display
Fuel consumption: Precision volumetric fuel gauges
Maximum absorption:7.5 kW at 7000 rev.min 1
Typical engine range: 3 to 4 kW, 3000 rev.min 1, 150 to 250 cc
Instrumentation dimensions:Width 1400 mm x depth 300 mm x height 820 mm
Bed and trolley dimensions: Width 950 mm x depth 475 mm x height 1050 mm
Weight (packed total): 300 kg."