

Product Name :

Single Cylinder Two Stroke Petrol Engine with Rope Break
Dynamometer Test Rig

Product Code :

ALABS-A175-013

**Description :****Single Cylinder Two Stroke Petrol Engine with Rope Break Dynamometer Test Rig**

The setup consists of single cylinder, two stroke, petrol engine connected to rope brake / Electric type dynamometer for variable loading. The setup has stand-alone type independent panel box consisting of air box, fuel tank, and manometer, fuel measuring unit.

Experiment:

- Study of engine performance for power, efficiencies, fuel consumption, air fuel ratio

Utilities Required:

- Electric supply: Provide 230 +/- 10 VAC, 50 Hz, single phase electric supply with proper earthing. (Neutral – Earth voltage less than 5 VAC)
- Space: 3300Lx2900Wx1700H in mm
- Fuel, oil: Petrol: Oil mixed petrol (2T oil, 30 – 50 ml/lit) @ 10 liter. Lubricating oil: @ 0.5 liter (20W40)



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