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**Product Name :**  
Test Stand For Single Cylinder Engines

**Product Code :**  
LBNY-0005-125000120



#### **Description :**

Asynchronous motor with energy recovery unit as brake generates engine load  
Engine started by asynchronous motor  
Force transmission from engine to brake via elastic claw coupling  
Vibration-insulated base plate for engine mounting  
Measurement and display of torque, air temperature, air intake quantity, negative intake pressure, speed, fuel consumption, fuel temperature  
Measured value displays for engine: exhaust gas temperature and cooling water temperatures  
Stabilisation tank for intake air  
Potentiometer for continuous adjustment of braking torque  
Potentiometer for continuous adjustment of braking speed  
Control and load unit for prepared single-cylinder engines (two-stroke and four-stroke) with a maximum power output of 7,5kw

#### **Technical Specification :**

Asynchronous motor as brake  
Energy recovery unit: 13kW  
Power output: approx. 7,5kw at 2900min-1  
Measuring ranges  
Fuel consumption: 50cm<sup>3</sup>/min  
Engine intake pressure: -400...0mbar  
Torque: -50...50nm  
Speed: 0...5.00min-1

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Air consumption: 0...690L/h  
Temperatures: 0...900°C.



**Laboratory Instrument India**