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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: 50cm³/min
Engine intake pressure: -400...0mbar
Torque: -50...50nm
Speed: 0...5.00min⁻¹

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



Laboratory Instrument India