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Product Name :
Steam Power Plant With Steam Engine

Product Code :
LBNY-0005-103000131



Description :

Demonstration of a steam power plant with single-cylinder piston steam engine
Gas-fired boiler for steam generation
Investigation of a driven machine for compressed air generation
Pressure and temperature sensors in front of and behind the compressor
Water-cooled condenser
Safety valve and temperature monitoring for safe operation
Sensor and display for temperature, pressure, flow rate, voltage and current
DC generator
Light bulbs as consumers.

Technical Specification :

Technical Data:

Gas-fired boiler
Safety valve: 4bar
Gas connection 3/8"L (propane or butane)
Generator
DC motor: max. 3,18W at 6000min-1
Steam engine
Speed: max. 1200min-1
Cylinder: diameter: 20mm
Power: max. 5W
Measuring ranges

Temperature: 8x -20...200C
Pressure: 0...6bar
Flow rate:
Water: 15...105L/h
Gas: 0...110L/h,
Voltage: 0...10VDC.



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