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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

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



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