

Product Name :
Steam Power Plant with Steam Engine

Product Code :
DM397



Description :

Steam Power Plant with Steam Engine

Technical Specification :

Steam Power Plant with Steam Engine
Demonstration of a steam power plant with single-cylinder piston steam engine
Gas-fired boiler for steam generation
Water-cooled condenser
DC generator
Light bulbs as consumers
Sensor and display for temperature, pressure, flow rate, voltage and current
Safety valve and temperature monitoring for safe operation

Technical data:

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

Temperature: 8x -20â€¦200Â°C
Pressure: 0â€¦6bar
Flow rate:
0â€¦110L/h (gas)
15â€¦105L/h (water)
Voltage: 0â€¦10VDC
Current: 0â€¦250ma
230V, 50Hz, 1 phase

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