

**Product Name :**  
Steam Power Plant 1,5kW with Process Control System

**Product Code :**  
Fluid Equipments0012



**Description :**

Steam Power Plant 1,5kW with Process Control System

**Technical Specification :**

Description of **Steam Power Plant 1,5kW with Process Control System**

Nowadays large process engineering systems, such as steam power plants, are managed with process control systems (PCS). The entire system is

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monitored, actuators regulated and controlled, measurements recorded and displayed via the process control system.

#### The Steam Power Plant

is specifically designed for training purposes in the field of power plant engineering with process control systems. The system operates very similarly to real large-scale plants due to the high degree of complexity.

#### Specification of **Steam Power Plant 1,5kW with Process Control System**

1. Laboratory-sized steam power plant
2. Oil-fired once-through boiler with electrical superheater
3. Single-stage industrial steam turbine with DC generator as turbine load
4. Water-cooled condenser
5. Feedwater treatment
6. Process control system for monitoring, control and regulation of the plant
7. Control station with complete instrumentation on modern LCD monitors, touchscreen operation
8. System equipped with sensors and actuators for monitoring and controlling the plant via integrated PLC and Ethernet

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