

Item No.: LM9550

IPA compact station

Professional automatic control of pressure, temperature, volumes and flow-rates.

The compact station with 4 integrated controlled systems is the optimum solution for typical production processes in the most varied of industries. The system's modularity permits various configurations to be implemented in the safety of the laboratory environment.

IPA compact station consisting of:

- 2 tanks (each 7,5 ltr)
- pressure vessel
- Plug in Pipe System
- support frame
- supply tank

Sensors:

- 4 capacitive sensors
- Ultrasonic sensor
- Flow sensor
- Pressure sensor
- PT100 Temperature sensor
- Manometer -1 bar to 1,5 bar (-14 psi to 20 psi)

Actuators:

- Pump max. 3,4 l/min at 1,2 bar
- Heating 1000 W

Electrical:

- 3HU supply channel with transformer and control
- Integrated power supply 24 VDC
- Motor controller with digital and analog control
- IMS Connection DSUB 25

Your benefits

- P-, I-, D-, PI-, PID-, Two-step- and Cascade control
- Real hands-on practice thanks to the use of industrial components
- Typical process engineering sensors for temperature, liquid



level, flow-rate and pressure

- Can be combined with any open-loop and closed-loop systems from industry and education
- Can be expanded using additional IPA stations: mixing, filling, corking and uncorking
- Can be integrated into IMS® (Industrial Mechatronic System)
- Activation of the individual controlled systems simply by adjusting the ball valves
- Flexible pipe tubing system permits fast changes to the flow scheme or integration of other components
- Cascade control option
- Pump control direct or speed-controlled
- Separate operation of the 4 controlled systems possible
- Manual operation without additional devices direct or via simulation switch