

Item No.: LM9551

IPA mixing station

Mixing formulations:

The IPA mixing station allows a precise mixing of pre-defined formulations of two differently coloured liquids. A control system permits accurate dosage and mixing of the components. The finished liquid can be conveyed to a further station. The system's modularity permits diverse configurations to be implemented in a safe laboratory environment.

The mixing station consists of:

- 2 tanks
- 1 reactor vessel
- Plug-in pipe system
- Support frame
- Supply tank
- Sump
- Sensors:
- Capacitive sensors
- Flow sensors
- Filling level sensor with 0...10V analog output

Actuators:

- Pump with safety pressure switch
- 3/2-way process valves
- 2/2-way process valves
- 3/2-way solenoid valve
- Compressed-air maintenance unit with pressure reducer and manometer

Electrical system:

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

Your benefits:

- Hands-on practice thanks to a use of industrial components



- Process engineering sensors for filling level and flow rate
- Can be combined with any open-loop or closed-loop system from industry and vocational education
- Can be expanded using additional IPA stations:
Compact station, filling, corking and uncorking
- Can be integrated into IMS® (Industrial Mechatronic System)
- A flexible plug-in system permits quick adaptation to flow schemes and integration of other components
- Pump control (direct or speed-dependent)
- Manual operation without additional devices, directly via a simulation switch