

# RT 450 THE MODULAR PROCESS AUTOMATION TRAINING SYSTEM: CLOSED-LOOP AND OPEN-LOOP CONTROL

PROCESSES



Level Control



Pressure Control



Temperature Control



Flow Control

PROCESSES

## COMPONENTS

RT 450.34 Flow Rate Sensor: Electromagnetic



RT 450.12 Chart Recorder Module



RT 450.42 Part of the PLC Module



## The technological structure of the system



This is the versatility the training system offers...  
...you create the custom combinations!

## A highly expandable system

Looking to teach automation in the metalworking or electrical and electronics engineering sectors? Use this highly versatile and flexible process control training system. It offers everything you require to provide your students with a clearly ordered, wide-ranging introduction to the field of automation.

### Keywords:

Sensors; 2- and 3-wire systems; standard signals; displays; chart recorder; graphical display; Profibus; process control system; closed-loop control; open-loop control; controlled systems; controllers; continuous; switching; PLC; actuators; valves; heaters; wiring; testing; planning; parameter setting; programming; errors; faults; maintenance... and much more.

The overall set-up is completely flexible, modular and expandable in any direction. The structural elements are mounted on panels, ready to connect up. This results in quick assembly and a clear layout. The only other work required is the piping and the electrical wiring. We employ the latest state-of-the-art industrial technology in the training system.

The well-structured instructional material sets out the fundamentals and provides a step-by-step guide through the experiments.

## DETAILS



Industry-standard, flexible cabling



All modular in design – only the latest components from actual practice