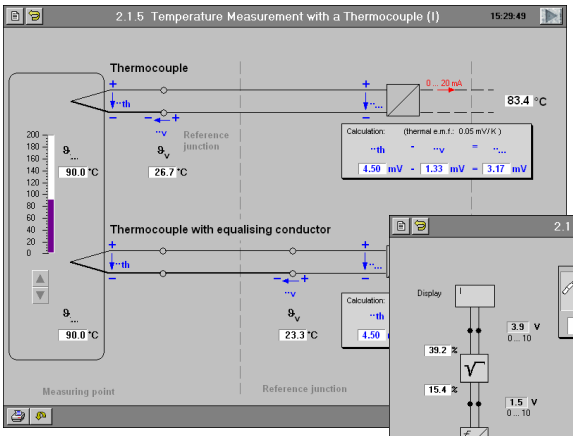
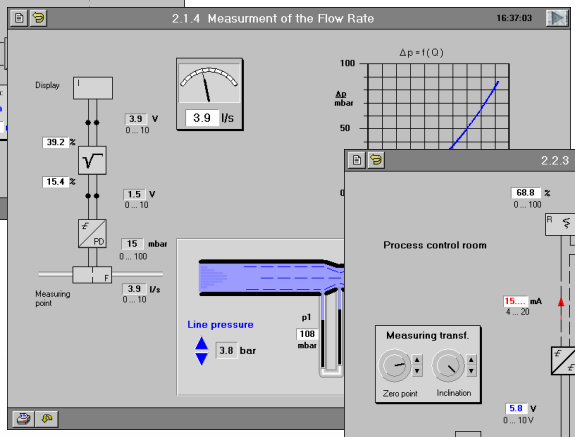
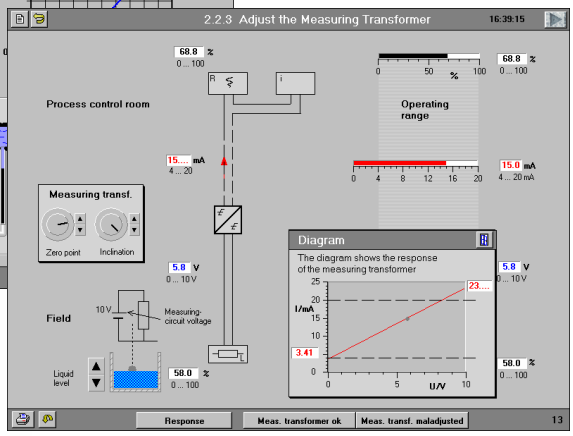
Methods of Measurement in Industrial Systems

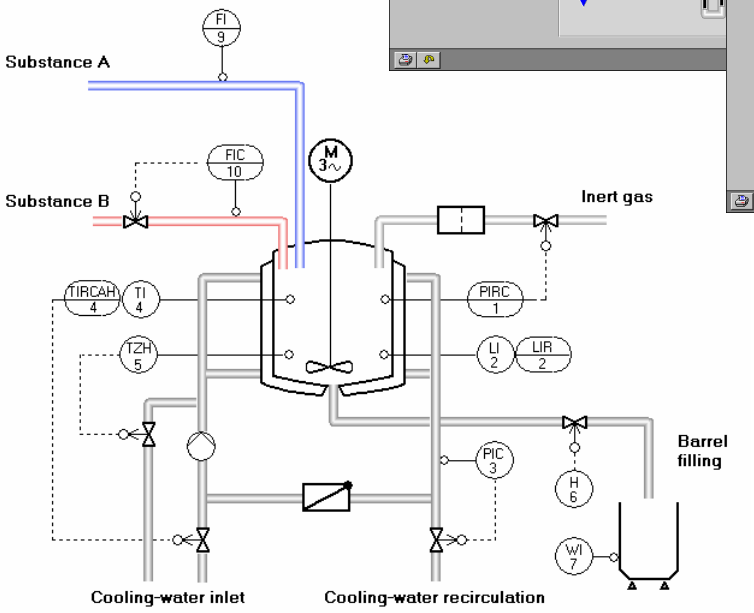
In this course, several measuring methods are demonstrated in a model plant. The transfer of the measured values and the handling of measuring transformers and standardised signals are shown in a simulated plant.



The signal processing can be examined from the sensor to measuring transformer up to the display. The co-operation of measuring and actuating signals can be studied on a closed-loop flow control system.





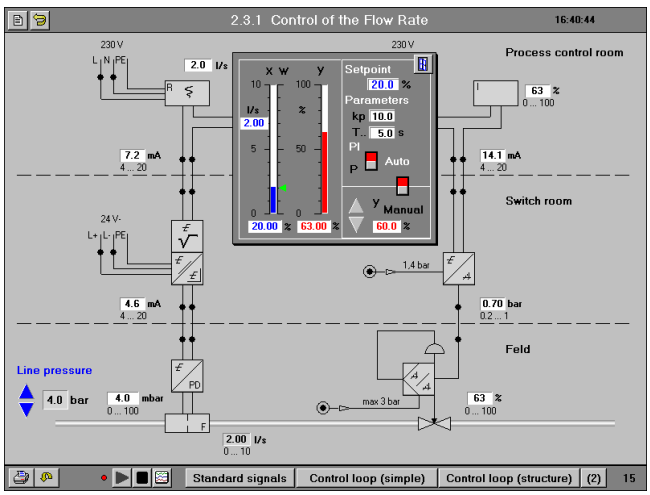


A model plant shows the function of measuring elements for

- Liquid level
- Force-weight
- Pressure
- Flow rate
- Temperature

Measuring transformers have to be used to transmit measured values over a long distance from measuring point to display. For each measuring transformer various exercises are provided with the simulation.

A closed loop control can be examined for flow rate control. Controller parameters can be adjusted and all signals are stored for further analysis.



Ingenieurbüro Dr.-Ing. Schoop GmbH Riechelmannweg 4 21109 Hamburg
Tel.: 040/75492230 Fax: 040/75492232 info@schoop.de www.schoop.de