

RT 450.10

Continuous controller module



Learning objectives/experiments

- functional range of a digital process controller
- configuration, parameterisation and operation via keyboard or computer-assisted
- familiarisation with an industry-standard configuration software
- signal links and standard current signals
- communication using an Ethernet network (RT 450.41, available as an option)

Specification

- [1] universal continuous controller module, optimised for the RT 450 modular system
- [2] fixed assignment of inputs and outputs
- [3] programmable controller: P, PI, PD, PID
- [4] configuration and parameterisation of the digital process controller manually or computer-assisted
- [5] software via USB under Windows 10

Technical data

Process controller

- 2 analog inputs: 4...20mA
- 2 analog outputs: 4...20mA
- 2 binary inputs
- 2 relay outputs

Software

- at least 512MB RAM
- at least 500MB available capacity on hard disk

24VDC

LxWxH: 180x240x240mm

Weight: approx. 2kg

Required for operation

PC with Windows recommended

Scope of delivery

- 1 controller module
- 1 configuration software

Description

- digital process controller with extensive functionality
- operation and parameterisation optionally via keyboard or configuration software

The digital process controller is pre-installed on a panel. The panel can be attached quickly and easily to the frame of the RT 450 base module. The connections for the process controller are pre-configured on connector assemblies for plugging-in to terminals on the rear of the panel.

The process controller is configured, parameterised and operated by way of the keyboard. Configuration and parameterisation can also be carried out by computer, using the software supplied. Controller operation, hardware status polling and chart recording can also be facilitated using the software.

The software can be installed on almost any computer. The computer's USB port is used for connection with the controller module.

The process controller can additionally be fitted with the RT 450.41 Ethernet module. This enables communication with the RT 450.40 visualisation software.