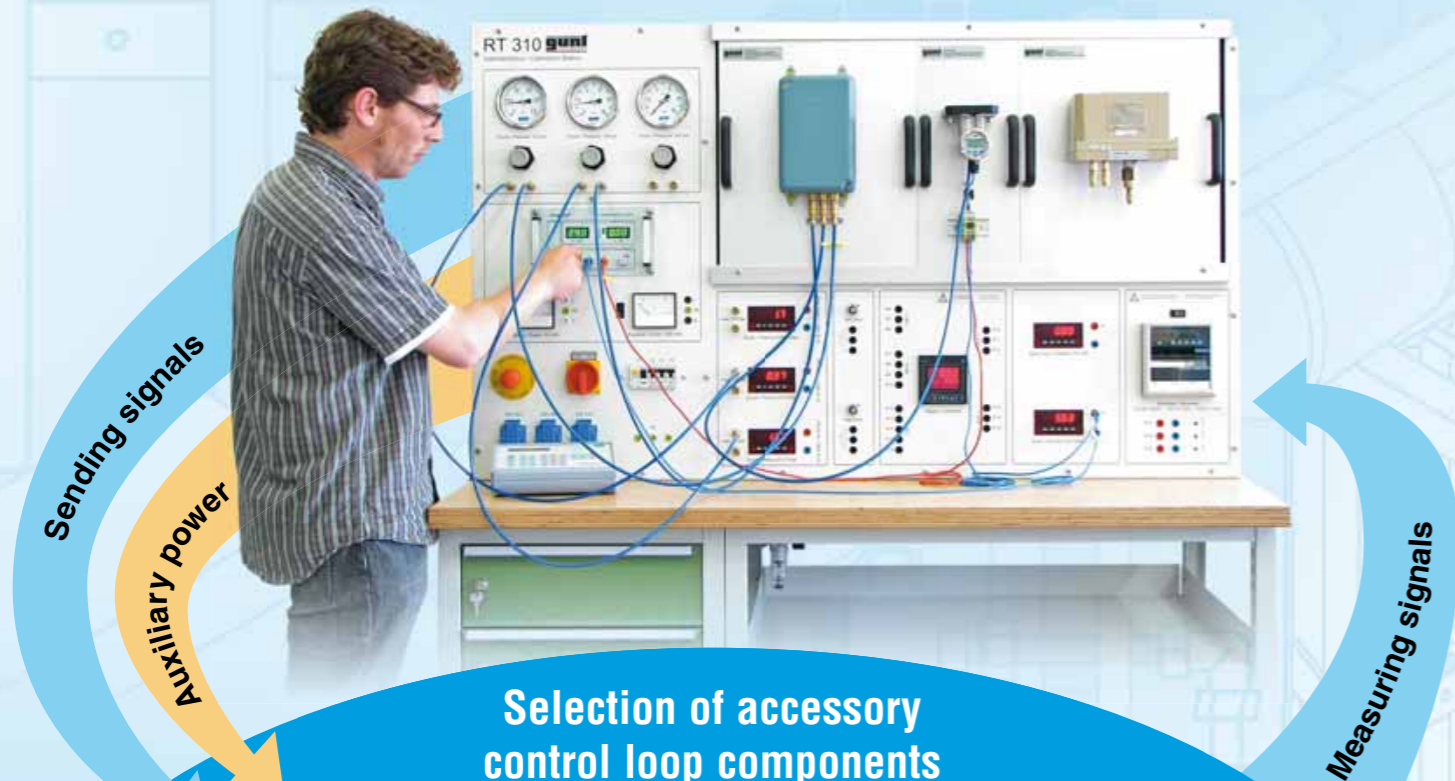


# RT 310 WORKING WITH THE CALIBRATION STATION



SENDING SIGNALS AND SUPPLYING AUXILIARY POWER	
Pressure	1x 0...2 bar
	2x 0...8 bar
Direct current	0...30V
	0...5A
Alternating voltage	24V
	230V
Resistance	0...100 Ohm
	0...500 Ohm
Controller outputs	0/4...20mA
	Relays

MEASURING SIGNALS	
Pressure	0...0.6 bar
	0...2.5 bar
	0...8 bar
Direct current	0...20mA
Direct voltage	0...20V
3-channel line recorder	0/4...20mA
	0/2...10VDC
	0/0.2...1VDC
Controller inputs configurable for	Thermocouples
	Resistance thermometer
	Resistance teletransmitter
	Direct current
	Direct voltage

## Selection of accessory control loop components

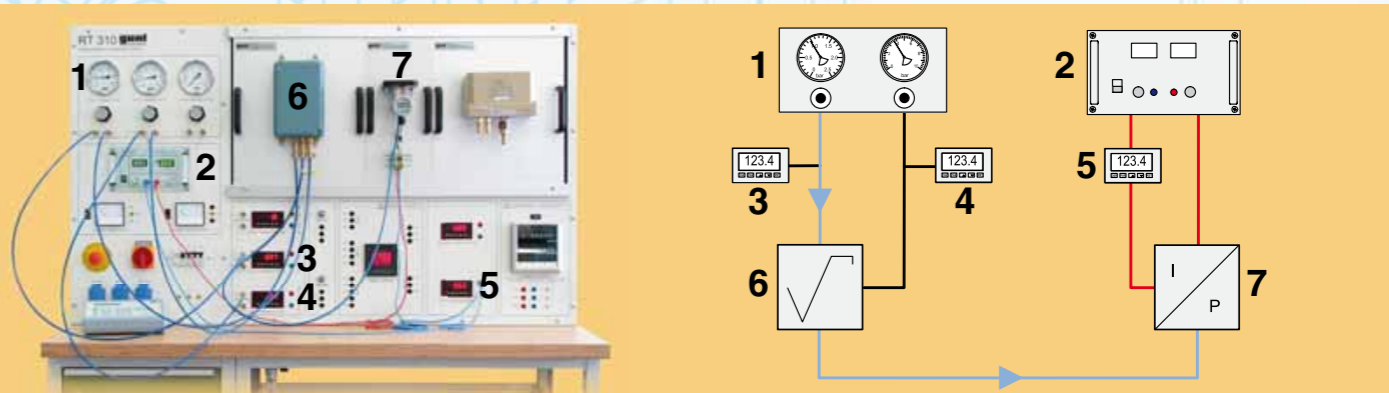


## UNIVERSAL CALIBRATOR



The RT 310 package includes a separate universal calibrator. It offers the opportunity to test and calibrate control loop components in a practical way. For example, the device facilitates the simulation of output signals from thermocouples and the measurement of the resulting output signal from a connected transducer.

## ...A CONCRETE EXAMPLE



1 pressure regulator, 2 power supply unit, 3 pressure gauge (signal), 4 pressure gauge (auxiliary power), 5 ammeter, 6 square root extractor, pneumatic (RT 300.03), 7 pressure transmitter, electronic (RT 300.20)

## Calibration station and control loop components – a coordinated concept

The calibration station provides everything needed for investigating the transmission behaviour of control loop components. Electrical and pneumatic signals can be generated as inputs to the individual components. The calibration station is provided with extensive measuring equipment for the recording of the output signals from the control loop components. Many control loop components, such as transducers and actuators, require auxiliary

power in order to operate. RT 310 supplies this auxiliary power in the form of pneumatic or electrical energy. A large selection of control loop components are available as accessories. They are specifically designed for use with the calibration station, and can be easily installed in the station's frame. The necessary cables and tubing are supplied.