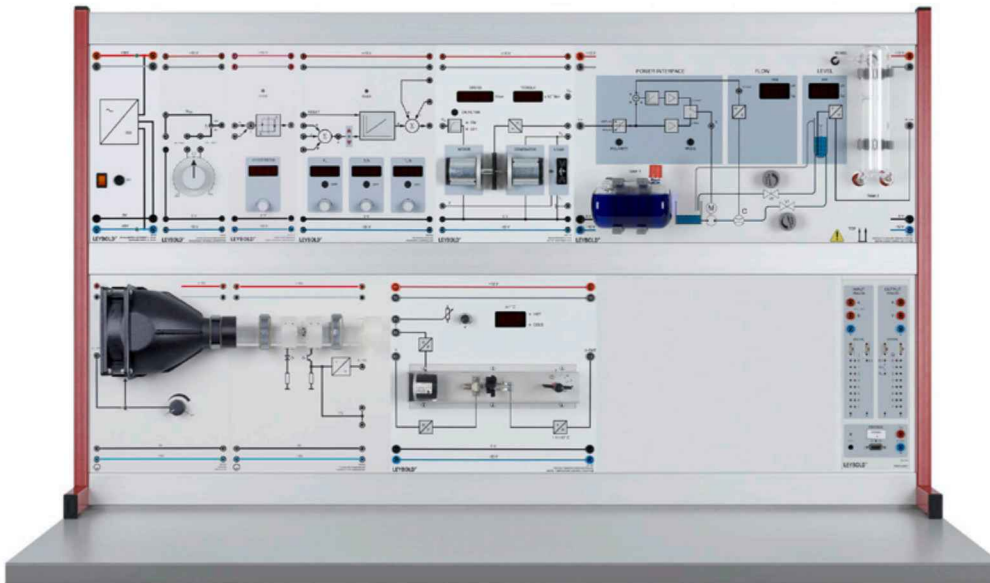


E6.3.3

PROCESS ENGINEERING

E6.3.3.1

Compact Trainer: Process Closed Loop Control



Compact Trainer: Process Closed Loop Control (E6.3.3.1)

Cat. No.	Description	E6.3.3.1
734 064N	PID digital controller Net	1
734 02	Reference variable generator	1
734 121	Digital Temperature Controlled System	1
734 265	Digital Liquid Controlled System	1
734 111	Set of machines 10 W	1
666 630	Blower	1
666 632	Windmill type anemometer	1
734 011	Two position controller	1
524 016S2	Profi-CASSY Starter 2	1
726 09	Panel frame T130, two-level	1
726 86	DC-Power Supply ± 15 V/3 A	1
500 59	Safety bridging plugs, black, set of 10	3
500 592	Safety bridging plugs with tap, black, set of 10	1
500 641	Safety connecting lead, 100 cm, red	3
500 642	Safety connecting lead, 100 cm, blue	3
500 644	Safety connecting lead, 100 cm, black	3
726 10	Panel frame T150, two-level	1*
734 482	WinFACT COM3LAB / CASSY Edition	1*
	additionally required: 1 PC with Windows 7/8/10	

* additionally recommended

Process Closed Loop Control

Large, intricate processes are often broken down into sub-processes in the interest of clarity. This facilitates the step-by-step commissioning of production facilities and efficient error resolution when a breakdown occurs. The setup is comprised of various different sub-processes.

Each controlled system on its own is perfect for the execution of numerous experiments. At the same time the module experiment design featuring experiment plates allows for easy combination of sub-processes. If you integrate additional electronic transfer components (from E 6.3.4), then additional dead time and time constants arise that influence the entire process.

Following equipments could be connected:

- Temperature regulations
- Fill level control
- Flow controlling
- Current control
- Speed control

Experiments are operated and evaluated with CASSY Lab 2 and WinFACT.