Temperature in Airstream (E6.4.2.2)

E6.4.2

TECHNICAL PROCESSES WITH INDUSTRIAL COMPONENTS

E6.4.2.2
Temperature in Airstream

Cat. No.	Description	E6.4.2.2
37-100	Process Control Trainer	1
531 831	Joule and wattmeter	1*
522 561	Function generator P	1*
PID 150Y	PID (proportional–integral–derivative) Controller	1*
	additionally required: 1 PC with Windows 7/8/10	

* additionally recommended

Temperature in Airstream

The 37-100 Process Control Trainer teaches the basic characteristics of a large plant, but is compact and portable. It enables distance/velocity lag, transfer lag, system response, proportional and two step control to be demonstrated.

Topics

- A practical process in miniature
- Closed and open-loop continuous control
- Two-step control
- Fast response times enable dynamic behaviour to be seen on an oscilloscope
- Exhibits thermal time constants & time transport lag
- etc.