

UNMATCHED PROCESSES CONTROL TRAINING

Amatrol's Process Control eLearning catalog features modules that cover valuable control process skills conveniently organized into the courses below. Altogether, Amatrol's Process Control eLearning library offers comprehensive training and learning you can't find anywhere else.

Learning Systems	Hardware	eLearning	Topics Include:
LEVEL/FLOW			
Level/Flow Process Control Troubleshooting (T5552F)	✓	✓	Instrument Tags, Piping and Instrumentation Diagrams, Loop Controllers, Final Control Elements, Level Measurement, Liquid Level Control, Control Loop
EXPANSION OPTIONS			
Smart Flow Transmitter (T5552-F1)	✓	✓	Orifice Plate Flow Sensors, Differential Pressure Flow Transmitters, Flow Control
Foundation Fieldbus - AB L16 (T5552-FF1A)	✓	✓	Foundation Fieldbus Technology, Wiring & Connections, Field Device Calibration, Configuration & Operation
HART Process Control (T5552-H1)	✓	✓	HART Protocol, Networks & Software, Calibrating HART Devices and Monitoring Current Loops
Ultrasonic Liquid Level (T5552-L1)	✓	✓	Ultrasonic Level Measurement & Sensor Calibration
Process Visualization (T5552-S1)	✓	✓	OPC Server Software Configuration, UDC Controller Configuration, WinCC Advanced Software, Project Screens, I/O Field Input / Output Objects, Alarms
TEMPERATURE			
Temperature Process Control (T5553)	✓	✓	Instrument Tags, Piping & Instrumentation Diagrams, Thermal Energy, Basic Temperature Control Elements, Loop Controllers, Temperature Sensors & Transmitters
EXPANSION OPTIONS			
Three-Channel Data Acquisition (T5553-R1A)	✓	✓	Data Acquisition, Chart Recorder Applications, Managing Chart Recorder Data, Special Chart Recorder Functions
ANALYTICAL			
Analytical Process Control (T5554)	✓	✓	Instrument Tags, Piping & Instrumentation Diagrams, pH Electrodes, Meters and Transmitters, Loop Controllers, pH Control Systems, Control Loop Performance
EXPANSION OPTIONS			
Three-Channel Data Acquisition (T5553-R1A)	✓	✓	Chart Recorder Applications & Software, Managing Chart Recorder Data, Special Chart Recorder Functions
PRESSURE			
Pressure Process Control (T5555)	✓	✓	Instrument Tags, Piping & Instrumentation Diagrams, Final Control Elements, Pressure Measurement, Loop Control Devices, Pressure Control Systems, Control Loop



Connect an Allen Bradley or Siemens PLC for Additional Learning & Control!

Available on the 890-PECB Platform or the 990 Portable Platform

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PROCESS CONTROL

LEVEL/FLOW, TEMPERATURE, ANALYTIC, & PRESSURE CONTROL

FULL RANGE OF PROCESS CONTROL INSTRUMENTATION TRAINING



Level/Flow Process Control | T5552F

- Flow and Liquid Level Measurement
- Transducers/Transmitters
- Diaphragm Actuator 2-way Proportional Valve
- PID, On/Off Control
- Process Inputs/Outputs Troubleshooting
- Additional Expansion Options Available (see back)

Analytical Process Control | T5554

- Analytical Control Concepts
- Loop Controllers/Control Loop Performance
- Discrete and Closed Loop pH Control
- Batch and Continuous pH Control Systems
- Proportional/Integrative/Derivative Automatic Control
- Additional Expansion Options Available (see back)

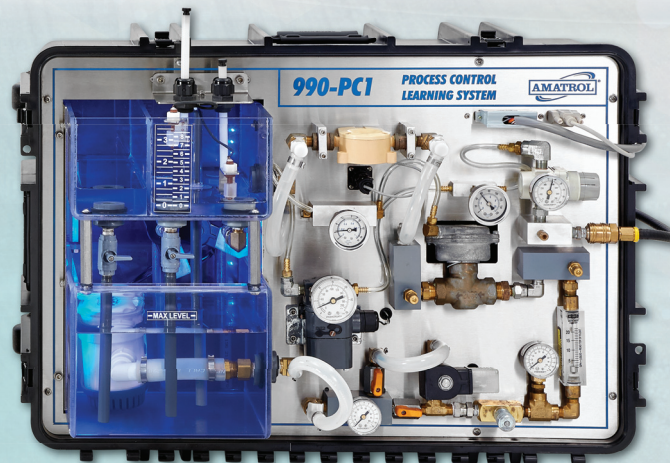
Pressure Process Control | T5555

- Simultaneous Liquid Level / Tank Pressure Control
- Piezoelectric Pressure Sensor
- Open and Closed Loop Tuning
- HMI Panel Operation
- Control Loop Performance

Temperature Process Control | T5553

- Heat Transfer / Temperature Control
- PID Operating and Tuning
- 3-Way Control Valves
- RTD, Thermocouples, Thermistors
- Included Chiller Allows Continuous Operation
- Additional Expansion Options Available (see back)

Stand-Alone Or Connect 2, 3, Or All 4 Systems To Create An Entire Process Plant!



Portable Level/Flow Process Control | 990-PC1F

- Process Control Concepts
- Instrument Tags
- Piping and Instrumentation Diagrams
- Loop Controllers
- Final Control Elements
- Level Measurement
- Liquid Level Control
- Methods of Automatic Control
- Flow Measurement and Control
- Troubleshooting

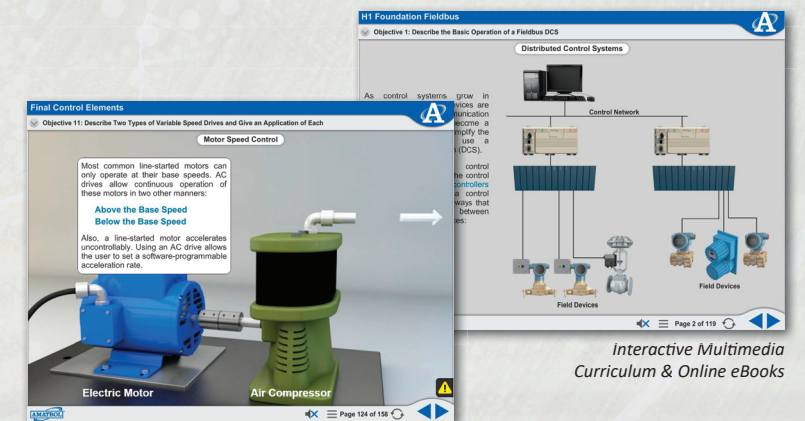
Practice Hands-On Process Control Skills with a Portable Training Solution

System Combinations				
Configurations	Level/Flow (T5552)	Analytic (T5554)	Pressure (T5555)	Temperature (T5553)
4-Station	●	●	●	●
3-Station	●	●	●	●
3-Station (Alt.)	●	●	●	●
2-Station	●	●	●	●

* EACH CONNECTION REQUIRES PROCESS CONTROL CONNECTION KIT 33278

Competency-Based Curriculum

Amatrol's eLearning meets the challenge for flexible technical training by offering superb technical content depth & breadth & excellent assessment & student tracking through an intuitive web portal. See back chart for sample learning topics.



Self-Contained Systems: No Utility Water Required | Excellent Workstation Design | Real-World Components | Develop Job-Ready Skills | Unmatched Range of Options for Learning Expansion