# 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.

## Level/Flow
- **Level/Flow Process Control Troubleshooting (T5552F)**
- **Expansion Options**
  - Smart Flow Transmitter (T5552-F1)
  - HART Process Control (T5552-H1)
  - Ultrasonic Liquid Level (T5552-L1)
  - Process Visualization (T5552-S1)

## Temperature
- **Temperature Process Control (T5553)**
- **Expansion Options**
  - Three-Channel Data Acquisition (T5553-R1A)

## Analytical
- **Analytical Process Control (T5554)**
- **Expansion Options**
  - Three-Channel Data Acquisition (T5553-R1A)

## Pressure
- **Pressure Process Control (T5555)**

### Learning Systems

<table>
<thead>
<tr>
<th>Learning Systems</th>
<th>Hardware</th>
<th>eLearning</th>
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<tbody>
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<td>Level/Flow</td>
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<tr>
<td>Temperature</td>
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<tr>
<td>Pressure</td>
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### Topics Included:
- Instrument Tags, Piping and Instrumentation Diagrams, Loop Controllers, Final Control Elements, Level Measurement, Liquid Level Control, Control Loop
- Instrument Tags, Piping & Instrumentation Diagrams, Thermocouples, Basic Temperature Control Elements, Loop Controllers, Temperature Sensors & Transmitters
- Instrument Tags, Piping & Instrumentation Diagrams, pH Electrodes, Meters and Transmitters, Loop Controllers, pH Control Systems, Control Loop Performance
- Instrument Tags, Piping & Instrumentation Diagrams, Final Control Elements, Pressure Measurement, Loop Control Devices, Pressure Control Systems, Control Loop

### Expansion Options:
- Smart Flow Transmitter (T5552-F1)
- HART Process Control (T5552-H1)
- Ultrasonic Liquid Level (T5552-L1)
- Process Visualization (T5552-S1)
- Three-Channel Data Acquisition (T5553-R1A)
  - Data Acquisition, Chart Recorder Applications, Managing Chart Recorder Data, Special Chart Recorder Functions
  - OPC Server Software Configuration, UDC Controller Configuration, WinCC Advanced Software, Project Screens, I/O Field Input / Output Objects, Alarms

### 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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<th>Full Range of Process Control Instrumentation Training</th>
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</table>

**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!

#### System Combinations

<table>
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<tr>
<th>Configurations</th>
<th>Level/Flow (T5552)</th>
<th>Analytical (T5554)</th>
<th>Pressure (T5555)</th>
<th>Temperature (T5553)</th>
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<td>3-Station</td>
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</tbody>
</table>

* Each connection requires Process Control Connection Kit 33278

#### Portable Level/Flow Process Control | 990-PC1F
- Process Control Concepts
- Instrument Tags
- Piping and Instrumentation Diagrams
- Loop Controllers
- Final Control Elements

#### Practice Hands-On Process Control Skills with a Portable Training Solution
- Level Measurement
- Liquid Level Control
- Methods of Automatic Control
- Flow Measurement and Control
- Troubleshooting

#### 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.