

# Mechatronics Troubleshooting - Siemens S7-1500 | Learning System



## Mechatronics Troubleshooting Learning System-Siemens S7-1500: 87-FTSS715

Amatrol's Mechatronics Troubleshooting Learning System - Siemens S7-1500 (87-FTSS715) - covers mechatronics troubleshooting training stations and components by utilizing Amatrol's world-class electronic fault troubleshooting software, FaultPro. Downtime caused by equipment problems can cost thousands of dollars per minute. For this reason, industrial maintenance technicians and operators must thoroughly understand the machines and components in his or her area and be able to act quickly as failures arise.

The Mechatronics troubleshooting training system's major components include a fault controller that provides up to 37 faults depending on which Mechatronics station is being used and Amatrol's FaultPro USB 4.0 Mechatronics software with on-line student troubleshooting and record keeping.

Includes: (1) Fault Insertion System and Software; (1) Cable Set; (1) M33739 Student Curriculum-Interactive PC-Based Multimedia; (1) C33739 Instructor's Guide; (1) K33739 Instructor's Resource Print CD; (1) S33739 Supplemental Disk;(1) D33739 Installation Guide; (1) H33739 Student Reference Guide.

## Teach Hands-On Skills

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### Hands-On Mechatronics Troubleshooting Training for Real-World Skill-Building

The 87-FTSS715 includes a fault controller, FaultPro 4.0 software, and cable set. Used in conjunction with the an 87-FTSS715, at least one 87-MS mechatronics station, programming software, and a computer, learners will use these components to practice real-world skills like testing a discrete input module, using a six-step sequence to troubleshoot a mechatronics station, and troubleshooting handshaking and permissive faults.

### Amatrol's FaultPro: The Industry's Only Electronic Troubleshooting System

The 87-FTSS715 utilizes Amatrol's [FaultPro](#) software, which allows instructors to instantly set and tailor faults to test a learner's weaknesses and turn them into strengths. The skills developed by this software will allow learners to solve real-world technical problems once they're in the field. The 87-FTSS715 allows training on 29 to 37 faults depending on what mechatronics stations it's used with.

## In-Depth Multimedia Curriculum

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### Comprehensive Mechatronics Interactive Multimedia Curriculum that's Second-to-None

Amatrol's Mechatronics course curriculum offering is an impressive presentation of comprehensive theoretical knowledge. This curriculum begins with an introduction to mechatronics and mechatronics safety and quickly builds on concepts like station operation, component adjustment, module sequencing, and station sequencing. Examples of topics from the curriculum include: manually overriding an electro-pneumatic valves; sequencing the operation of a 2-axis pick and place manipulator; adjusting a fiber optic sensor; sequencing the operation of a parts queueing module; operating a gravity feeder with escapement; adjusting motor starter overloads; and much more! This learning system's curriculum is presented in a stunning interactive multimedia format that features 3D animations, graphics, text with audio voice-overs, and much more!

## Additional Info

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### Requirements:

- [Mechatronics Learning System - Siemens S7-1500 \(870-S715\)](#)
- At least one (1) [Mechatronics Stations](#) (87-MS1 - 87 MS7)
- Computer: [See requirements](#)

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#### Address

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