

# Smart Factory Electrical Current Sensor | Siemens Multimedia Courseware

Smart Electrical Current Sensors - WX33751-AA01XEN-E1

Objective 1: Describe the Function of a Smart Sensor

Smart Sensor Applications

Smart sensors are increasingly installed in new installations.

Examples of industries using smart sensors include:

- Agricultural
- Chemical
- Information Technology
- Public Utilities

Chemical

The chemical industry uses the self-calibration feature of smart sensors to produce more consistent products.

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## Smart Factory Electrical Current Sensor: M33751

This system teaches PROFINET (Siemens) bi-directional network communications between current monitoring devices and other smart automation devices in a Smart Factory environment to efficiently control and monitor electrical currents.

Amatrol's [Smart Factory](#) training systems describe and teach real-world equipment learners will encounter on the job. The system offers in-depth multimedia curriculum for a well-rounded learning experience that will prepare learners to make an immediate impact in the technologically-advanced Smart Factory environments of the present and future.

### Teach Hands-On Skills

#### Practice on Real-World Equipment Using Smart Factory Components

Using Amatrol's Smart Factory training systems, students learn essential skills they'll use in the workplace, including a variety of smart sensors, learners will gain valuable hands-on experience with a 4-port managed PROFINET switch (Siemens). Using this courseware, learners will gain an understanding of the function, operation, and configuration of smart sensors in a Smart Factory setting.

#### Learn Industry-Applicable Smart Electrical Current Sensor Skills

With Amatrol's comprehensive curriculum, students cover essential smart electrical current sensor skills. For example, learners will study the operation of a smart electrical current sensor in a PLC project. Additional skills include designing and operating a smart factory PLC project that uses a smart sensor.

### Multimedia

#### Engaging, Highly-Interactive Multimedia

Amatrol's curriculum features a highly-interactive, multimedia format that includes stunning 3D graphics and videos, voiceovers of all text, and interactive quizzes and exercises designed to appeal to learners with different learning styles. The combination of theoretical knowledge and hands-on skills solidifies understanding and creates a strong basis for pursuing more advanced skills.

## **Additional Info**

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### • **Additional Requirements**

- [Torque Assembly Station \(87-MS6\)](#)
- [Mechatronics Learning System \(Allen-Bradley\) \(870-AB53A\)](#) or [Mechatronics Learning System \(Siemens\) \(870-S715\)](#)
- Amatrol Smart Factory Start-Up (90-START4.2)
- Computer: [See requirements](#)

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#### **Address**

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