

# Smart Factory Electrical Current Sensor - AB L16 | Multimedia Courseware

Smart Electrical Current Sensors - WX33772-AA01XEN-E1

Objective 2: Describe the Operation of a Smart Electrical Current Sensor

Current Sensing - Indirect Contact AC

Current can also be measured in AC circuits through indirect contact. This method uses a **current transformer**, which is a small **coil** surrounding the conductor.

When AC electricity flows through the conductor, it also induces a current in the **transformer**, which is measured by the control **circuitry** of the **sensor**.



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Page 12 of 38

eLearning Course: M33772

This eLearning course teaches 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.

## Teach Electrical Current Communication

### Industry-Applicable Electrical Current Sensor Skills

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

## Interactive eLearning

### 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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### Requires:

- Computer: [See requirements](#)

### Options:

- Smart Factory Electrical Current Sensor Learning System - AB CompactLogix L16 (87-SN6AB53A)

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#### Address

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