

Smart Factory Ultrasonic Sensor | Siemens S7-1500 Multimedia Courseware

Smart Ultrasonic Sensors - WX33748-AA01XEN-E1

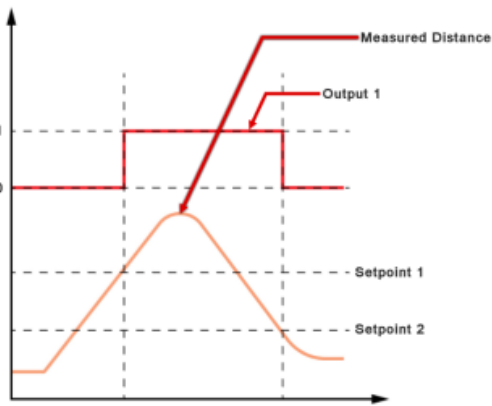
Objective 4: Describe the Operation of a Smart Ultrasonic Sensor in a PLC Project

Hysteresis Mode Operation

Sensor output setpoints can also be configured to operate in either **Hysteresis mode** or **Window mode**.

In Hysteresis mode, setpoint 1 determines the distance where the output changes state (set distance) and setpoint 2 determines the distance at which the output changes back (reset distance).

In this example, when the distance reaches setpoint 1, output 1's bit changes to 1. Output 1 will not change to zero until the distance reaches setpoint 2.



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Smart Factory Ultrasonic Sensor eLearning Systems: M33748

This system teaches communications between a smart ultrasonic sensor and other connected automated devices in a [Smart Factory](#) environment.

Amatrol's [Smart Factory](#) training systems feature real-world scenarios and describe equipment learners will encounter on the job, including smart pressure sensors. The systems combine hands-on skills practice with 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.

Multimedia

Learn Industry-Applicable Smart Analog Ultrasonic Sensor Skills

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

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

- **Additional Requirements**

- Computer: [See requirements](#)
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Address

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