

Smart Factory Analog Pressure Sensor - AB L16 | Multimedia Courseware

Smart Pressure Sensors - W33774-AA01XEN-E1

Objective 2: Describe the Operation of a Smart Pressure Sensor

Internal Construction

The internal components of an IO-Link smart pressure sensor include a pressure sensing circuit, microprocessor, memory, and other support circuits that provide power to the device and enable it to communicate through its serial connection.

The microprocessor processes data from the sensing circuit and passes the results to the transceiver. The transceiver sends processed data to the IO-Link Master.

Power conditioning components convert and regulate the power supplied to the sensor circuitry.

- Microprocessor
- Power Conditioning
- Transceiver
- Pressure Sensing Circuit

AMATROL Page 10 of 38

eLearning Course: M33774

This course teaches systems teaches bi-directional network communications between a pneumatic pressure sensor and other smart automation devices in a Smart Factory environment to efficiently measure pressure, convert the measurements into data, and transmit the data to a control system.

Teach Analog Pressure Sensors

Industry-Applicable Smart Analog Pressure 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.

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

Requires:

- Computer: [See requirements](#)

Options:

- Smart Factory Analog Pressure Sensor Learning System - AB CompactLogix L16 (87-SN9AB53A)
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Address

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