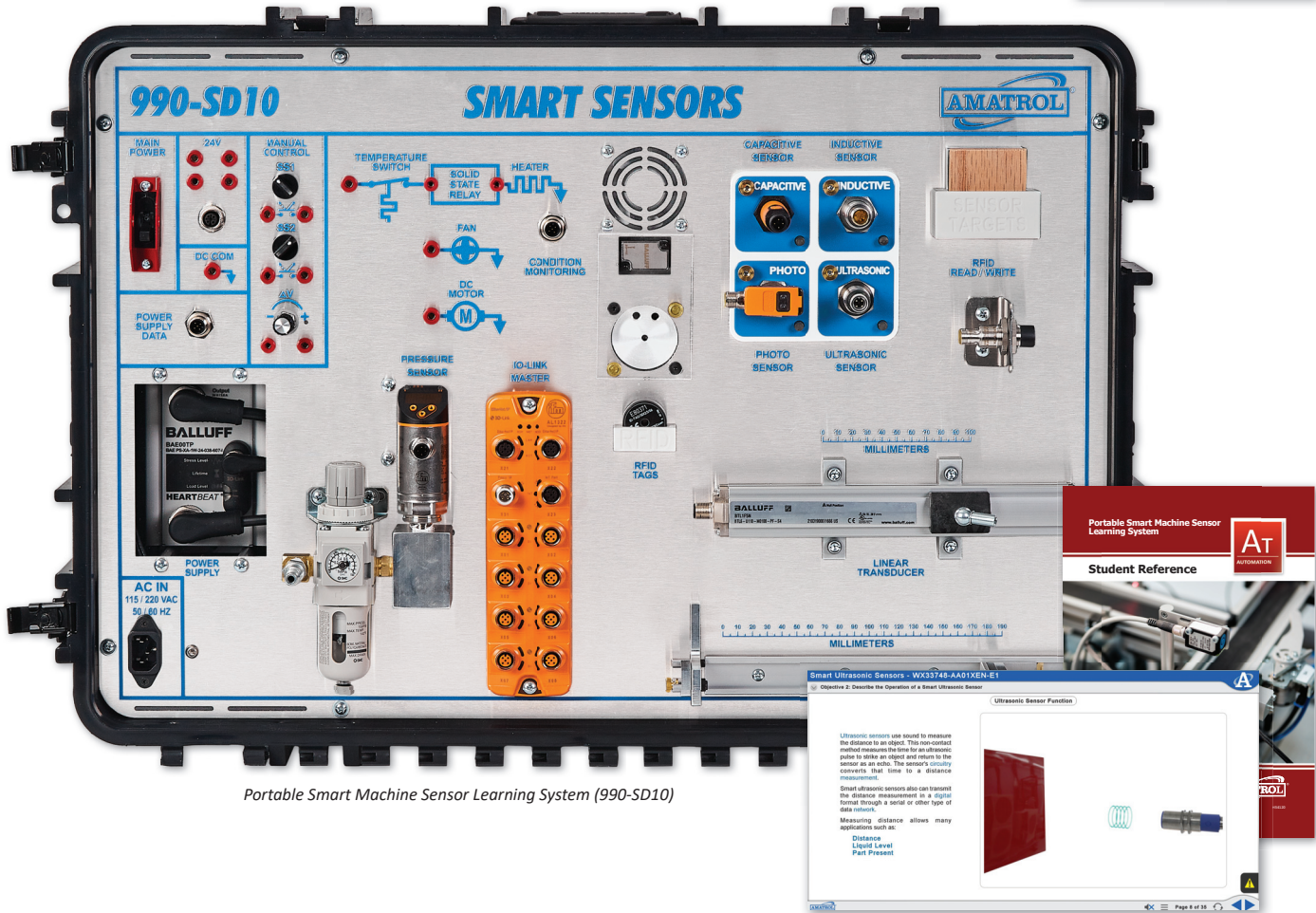


Portable Smart Machine Sensor Learning System

990-SD10



Portable Smart Machine Sensor Learning System (990-SD10)

Interactive Multimedia & Student Reference Guide

Learning Topics:

- Industrial Internet of Things
- Cloud Computing
- Photoelectric Sensor Configuration
- Smart Sensor Configuration
- IO-Link Master Function
- Smart Condition Monitoring Sensors
- Multi-Function Smart Sensor Testing
- Smart Vibration Sensors
- Smart Temperature Sensors
- Smart Ultrasonic Sensors
- Smart Linear Position Sensors
- Smart RFID Readers

Amatrol's Portable Smart Machine Sensor Learning System (990-SD10) offers a comprehensive training device for building skills with smart capacitive sensors, inductive sensors, photo sensors, ultrasonic sensors, and more all within an easily portable case. The Smart Machine Sensor training system is instrumental for learners to understand Industry 4.0 concepts and practice with components commonly found in Industrial Internet of Things (IIoT) environments.

The Portable Smart Machine Sensor Learning System also covers topics like an introduction to IIoT, cloud computing, photoelectric sensor configuration, smart sensor configuration and monitoring, smart condition monitoring sensors, and smart RFID readers. Within these topics, learners will study about data analytics, IO-Link Master function and operation, configuring a variety of smart sensors, as well as practice skills like monitoring and testing the output of a smart power supply, configuring and testing smart sensors using an IO-Link Bluetooth application, and operating an RFID system.



Technical Data

Complete technical specifications available upon request.

Portable Console
Power Cord
IO-Link Master
Power Supply
Smart Sensor PC Software
Pressure Sensor
RFID Tags
Capacitive Sensor
Photo Sensor
Ultrasonic Sensor
Inductive Sensor
RFID Read/Write
Linear Transducer
Multimedia Curriculum (M34120)
Instructor's Guide (C34120)
Installation Guide (D34210)
Student Reference Guide (H34120)

Additional Requirements:

Computer. For requirements, see: <https://amatrol.com/support>

Utilities Required:

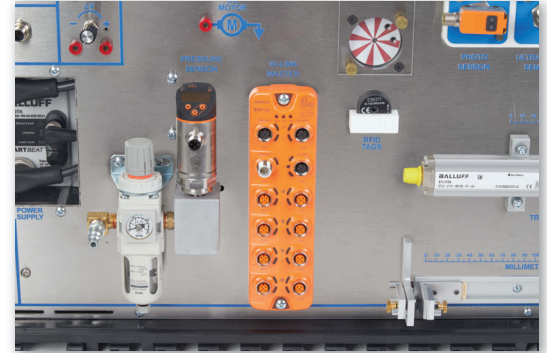
Electrical (100-240V/50-60Hz/1ph)
Compressed Air

Additional Recommendation:

Mobile Technology Workstation (82-610)

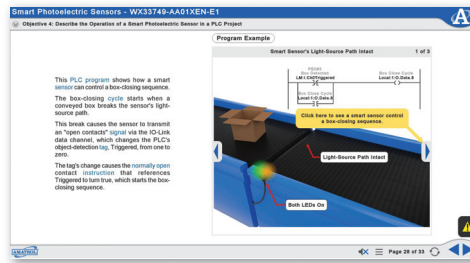
Learn to Program Robots and Use Them with Barcode Readers and Digital Gauging Systems

The Portable Smart Machine Sensor system includes real-world components found in Smart Factory environments, including: an IO-Link Master, RFID components, and smart sensors including capacitive, photo, ultrasonic, and inductive. Learners will use these skills to build job-ready Industry 4.0 competencies such as operating an RFID system, configuring and testing a smart RFID reader using IO-Link software, and configuring and testing smart photoelectric sensors, smart ultrasonic sensors, smart linear position sensors, smart pressure sensors, and multi-function smart sensors.



World-Class Smart Sensor eLearning Curriculum Included

The included multimedia eLearning curriculum will aid learners in understand complex Smart Factory concepts like predictive maintenance, how IIoT is applied in Lean Manufacturing, types of automatic identification used in IIoT, factors that affect RFID operation, and the operation of smart linear position, pressure, vibration, and temperature sensors. Amatrol's peerless interactive multimedia curriculum utilizes text with voiceovers, pictures, videos, stunning 3D animations, and interactive quizzes and reviews that engage learners in theoretical knowledge and concepts.

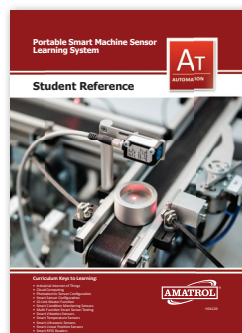


Mobile, Compact, Durable

The Smart Sensors training system is set within a durable ABS plastic case featuring wheels and a handle so that moving this world-class trainer from one destination to another is safe and easy. Another advantage of the Motor Control training system is the minimal set-up time. Once the case's cover is removed, the trainer sits upright on the training surface.



Smart Sensor Student Reference Guide



A sample copy of the Smart Sensors Student Reference Guide is also included with the system for your evaluation. Sourced from the system's curriculum, the Student Reference Guide takes the entire series' technical content contained in the learning objectives and combines them into one perfectly-bound book. Student Reference Guides supplement this course by providing a condensed, inexpensive reference tool that learners will find invaluable once they finish their training, making it the perfect course takeaway.

