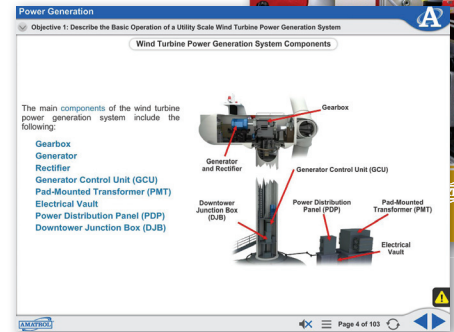
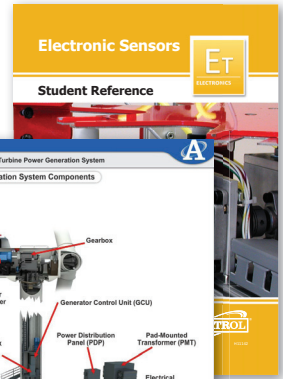


Portable Electronic Sensors Learning System

990-SN1



Interactive Multimedia and Student Reference Guide



990-SN1

Learning Topics:

- Electronic Sensor Advantages
- Sensor Components
- Sensor Operations
- Sensor Applications
- Transistors
- Inductive Sensors
- Capacitive Sensors
- Magnetic Reed Sensors
- Hall Effect Sensors
- Photoelectric Sensors

Amatrol's Portable Electronic Sensors Learning System (990-SN1) teaches the operation of electronic, non-contact sensors and their applications in industry, such as sensing movement, detecting metal from non-metal, and determining speed. Packaged in a convenient, portable ABS plastic case, this system is perfect for use in small spaces or multiple locations.

The 990-SN1 includes a variety of electronic sensors, including capacitive proximity, inductive proximity, magnetic reed, hall effect, and photoelectric sensors. These sensors can be used with a large array of provided test materials to learn how each sensor completes industrial tasks in real-world environments. Combined with Amatrol's world-class multimedia curriculum, this innovative product provides learners with a thorough understanding of electronic sensor applications.



Technical Data

Complete technical specifications available upon request.

Portable Storage Case
Magnetic Reed Sensor
Capacitive Proximity Sensor
Inductive Proximity Sensor
Hall Effect Sensor
Photoelectric Sensor
Indicator Lamp

Target Set

Steel (Large)
Steel (Small)
Magnet (Large)
Magnet (Small)
Plastic
Glass
Aluminum
Wood

Target Holder

Lead Set

Slide Base

Switch Mount Adapter

Interface Bracket & Cam

Multimedia Curriculum (M11142)

Instructor's Guide (C11142)

Installation Guide (D11142)

Student Reference Guide (H11142)

Power Supply – 12 VDC

Additional Requirements

Computer (Visit www.amatrol.com/support/ computer-requirements for details.)

Utilities Required:

100-240 VAC, 50-60 Hz, 1 Phase

Real-World Equipment in a Convenient, Portable Case

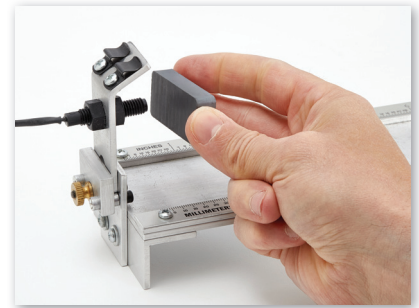
Electronic sensors are used in industrial applications for feedback to systems like electrical relay controls and programmable logic controllers. Learners will practice real-world skills on industrial-grade components packaged in a convenient, portable case. For example, the 990-SN1 allows learners to build relay circuits that separate metallic and non-metallic materials, design controls for a stamping machine, and use a sensor as a safety interlock.



Practice with Real-World Equipment

Learn Hands-On Electronic Sensor Skills

In addition to in-depth theoretical knowledge of electronic sensors, learners will also gain valuable hands-on skills with five different electronic sensors. For example, learners will study a magnetic reed sensor to understand its operation and applications, such as sensing the position of a pneumatic cylinder. Learners will also measure and analyze magnetic reed sensor performance.



Learn Hands-On Skills

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 990-SN1 curriculum teaches learners about the components and applications of five different types of electronic sensors, including their operation and factors affecting their performance.



Interactive Multimedia Curriculum

Student Reference Guide

A sample copy of the Electronic 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.



Certified ISO 9001:2015

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