Tabletop Mechatronics Smart Factory Ethernet | AB Micro820

Tabletop Mechatronics Smart Factory Ethernet Learning System – AB Micro820: 87-TENAB82

Amatrol's Tabletop Mechatronics Smart Factory Ethernet Learning System – AB Micro820 (87-TENAB82) teaches Ethernet (Allen-Bradley) network communications between connected automated devices in a Smart Factory environment to efficiently control and monitor automated manufacturing processes.

The Smart Factory network communications training systems feature real-world equipment learners will encounter on the job, including both managed and unmanaged network switches. 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.

Tabletop Ethernet Learning System

Study Smart Factory Components and Practice on Real-World Equipment
Amatrol's network communications training systems teach learners essential skills using industrial-quality equipment they'll use in the workplace. For example, learners will gain valuable hands-on experience with both a 16-port unmanaged Gigabit Ethernet switch and an 8-port managed Ethernet/IP switch (Allen-Bradley). Using this real-world equipment, learners will practice specific skills, such as operating, configuring, and viewing network diagnostics using a managed switch

Learn Industry-Applicable Network Communication Skills
Amatrol's comprehensive curriculum covers a wide variety of important network communications skills. For example, learners will study industrial networks, Ethernet network topologies, Ethernet subnets, and the basic components of industrial network security. Additional skills and topics include assigning IP addresses to robots and PLCs, configuring an industrial managed Ethernet switch, and viewing managed Ethernet switch network performance and diagnostics.

Highly-Interactive Multimedia Format Appeals to All Learning Styles
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

Requirements:

- (2) Tabletop Mechatronics Learning System ([870-PTAB82](#))
- (2) of the following 87-TMS series stations to provide Ethernet communications:
    - Inventory Station ([87-TMS1](#))
    - Inspection Station ([87-TMS2](#))
    - Distribution Station ([87-TMS3](#))
- Computer: [See requirements](#)

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