

Mechatronics Barcode, Siemens S7-1500 | Multimedia Courseware

Barcode System Programming - WX33736-AA02XEN-E1

Objective 3: Describe the Operation of PLC Comparator Instructions

Comparator Application

Barcode Scanned and Comparator Enabled 1 of 3



In this example, a comparator instruction is used to sort pallets as they are conveyed to one of two machining centers.

If a pallet's barcode value is greater than or equal to 2000, the comparator turns true, which turns on an output coil that **diverts** the pallet to machining center 2.

If the comparison is false (barcode value less than 2000), the system allows the pallet to continue on the conveyor to machining center 1.

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Amatrol's Mechatronics Barcode Identification Learning System - Siemens S7-1500 (87-BR2S715) covers the use and operation of a barcode reader within an automated line to identify components, enter serial numbers in a database, and sort items into groups. Barcode identification systems are used as scanners and for conducting inventory, in real-world applications such as sorting and tracking mail, sorting baggage at airports, and identifying and quantifying inventory in warehouses and shipping centers.

Multimedia

Learn to Seamlessly Interface a Barcode Reader with an Automated Line Using World-Class Interactive Curriculum

Amatrol creates curriculum with a conscious intent to seamlessly weave theoretical knowledge with hands-on skills in order to further ingrain each into a learner's mind. The 87-BR2S715's curriculum is no different. With stunning depth and breadth, this learning system covers barcode function, maximizing barcode scan accuracy, serial communications, PLC string data, programming and interfacing PLCs to serial communication devices, configuring and interfacing a barcode reader, and operating a PLC project. This learning system's curriculum is presented in a stunning interactive multimedia format that features 3D animations, graphics, text with audio voiceovers, and much more!

Additional Info

• Additional Requirements

- 87-MS2 Mechatronics Station
- 870-S715 Mechatronics Learning System

- 87-ENS715 Smart Factory PROFINET Learning System
 - Computer: [See requirements](#)
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