

S7-1500 PLC Bundle – Educational

589670 (3539-S0)

FESTO

LabVolt Series

Datasheet



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General Description

This bundle includes a Siemens S7-1500 PLC, one copy of STEP 7 and WinCC Software.

List of Equipment

Qty	Description	Model number
1	Programmable Logic Controller (S7-1516) _____	589671 (46962-00)
1	TIA Portal PLC Software (Step 7 Professional) _____	592687 (46986-10)

Additional Equipment Required to Perform the Exercises (Purchased separately)

Qty	Description	Model number
1	Touch-Screen Computer – Large _____	589677 (46299-A0)

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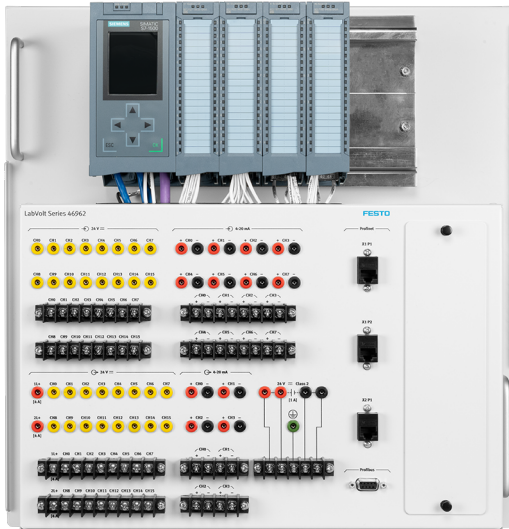
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Equipment Description

Programmable Logic Controller (S7-1516) 589671 (46962-00)



The Programmable Logic Controller (S7-1516) consists of a controller from the Siemens family. This powerful PLC comes with sixteen 24 V dc inputs, eight 4-20 mA inputs, eight 24 V dc output relays and eight 4-20 mA outputs hardwired to both banana jacks and terminal blocks on the module front panel. Banana jacks provide an easy and fast way to wire a setup, while terminal blocks allow students to wire their setup in a way much closer to what is commonly found in the industry.

The Siemens S7-1516 PLC supports two types of network communication: one PROFIBUS and three PROFINET ports.

The S7-1516 PLC is programmed using Siemens SIMANTIC STEP 7 Pro software in TIA Portal environment (Model 46986) using any of four languages: Ladder (LAD), Function Block Diagram (FBD), Instruction List (IL). This module has ten switches that the instructor can use to insert faults.

TIA Portal PLC Software (Step 7 Professional) 592687 (46986-10)



The TIA Portal PLC Software (Step 7 Professional) is a programming software that is required for programming Siemens programmable logic controllers.

Optional Equipment Description

Touch-Screen Computer – Large (Optional) 589677 (46299-A0)



The Touch-Screen Computer is a solution for saving space in the classroom. It features a large 23-inch touch-screen and a high-speed processor. It can be installed on a full-motion mount, model 3451-A0 or 3451-B0, on the Instrumentation Workstation to maximize desk space.

Reflecting the commitment of Festo Didactic to high quality standards in product, design, development, production, installation, and service, our manufacturing and distribution facility has received the ISO 9001 certification.

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