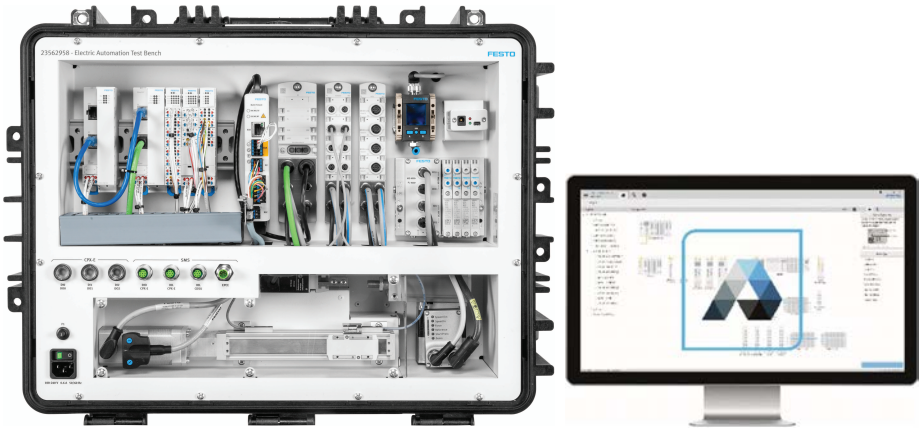
Electric Automation Test Bench



Explore Festo Electric Automation!

Highlights

- Turnkey ready-to-operate system to learn to use the main Festo Electric Automation Products
- Multi-protocol ready (EtherCAT, Profinet, EtherNet/IP, Modbus TCP)
- Easily transportable
- Ready to connect to 3rd party PLC
- Safety first: SPE-1000 approval, and all moving parts protected from user reach.

The Electric Automation Test Bench (EATB) allows the user to easily and rapidly learn, test, validate and integrate the most important Electric Automation product lines at Festo; Programmable Logic Controller (PLC), remote I/O system, servo-driven actuator, Simplified Motion Series (SMS) and IO-Link components. The EATB is the perfect tool for automation experts to learn and train on Festo's components and reduce the technological risk associated with system integration.

Turnkey & Ready-to-Operate
The EATB is a pre-wired kit that allows the user to test the main Electric Automation product families from Festo with minimal effort. Simply open the suitcase and connect the power cord to a 120VAC outlet and you are ready to dive into the fascinating world of Electric Automation at Festo!

Multi-Protocol Ready
The EATB includes the CPX-E PLC from Festo for a complete automation solution. However, it is also designed to easily integrate with any 3rd party PLC for testing and validation. The EATB can be configured in EtherCAT, Profinet, EtherNet/IP or ModbusTCP architectures. Simply replace the included fieldbus interface for the desired protocol, connect your PLC and start testing the remote I/O and servo system in no time!

IO-Link integration
The EATB includes a variety of IO-link devices, such as the Simplified Motion Series actuator, the SPAU pressure sensor and the EHPS electric gripper. The EATB includes the CDSU IO-Link USB tool for in-depth SMS commissioning. And the EATB includes additional IO-Link master ports to test your own IO-Link devices!

EtherCAT PROFINET EtherNet/IP Modbus

www.festo.com

Included Product Lines

CPX-E
PLC

CPX-E
IP20 Remote IO

ELGC-BS Actuator
EMMS-ST Low-voltage servo motor
CMMT-ST Low-voltage servo drive

EPCE-TB
SMS Actuator

CPX-AP-I IP65 Remote I/O
VTUG Valve Terminal

SPAU
Pressure Sensor

EHPS
Electrical Gripper

CDSU
IO-Link Master Tool USB

Technical data for the Electric Automation Test Bench

Summary	
Part number	23562958
Voltage	120 VAC 60 HZ (AC power cord included)
Power	100 W (max.)
Controls power	24 VDC (power supply included), resettable fuse protected
Weight	26 kg
Dimensions	610mm x 510 mm x 330 mm
Software requirements	Festo Automation Suite (free download here)
Interfaces	TCP/IP, USB
Fieldbus	EtherCAT Profinet EtherNet/IP ModbusTCP
IP20 Inputs & Outputs	16 Digital Inputs 8 Digital Outputs 4 IO-Link Master ports
IP65 Inputs & Outputs	8 Digital Inputs, M8, 3 pins, A-coded as per EN 61076-2-104 4 Positions Valve Terminal 4 Positions Valve Terminal
Valve Terminal	4 Positions double-acting valves (tubing and fittings not provided)
SMS Control Options	IO-Link, Digital I/O and USB (through CDSU)
Safety Approval	SPE-1000