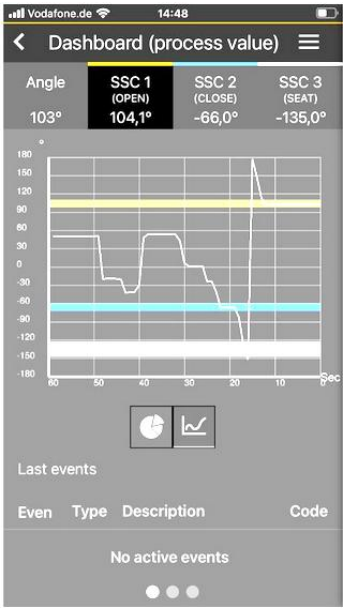
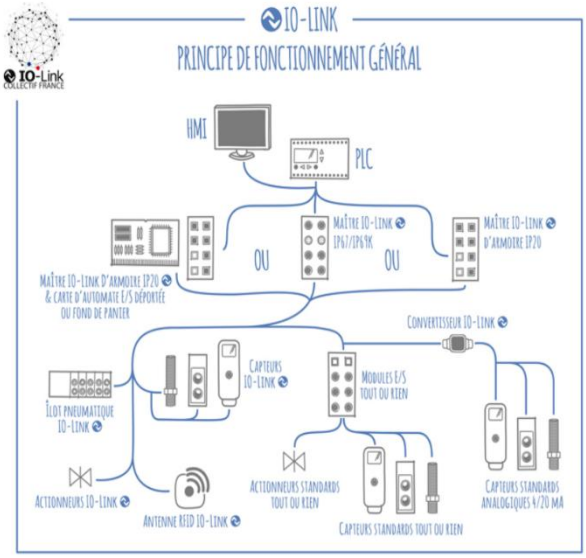
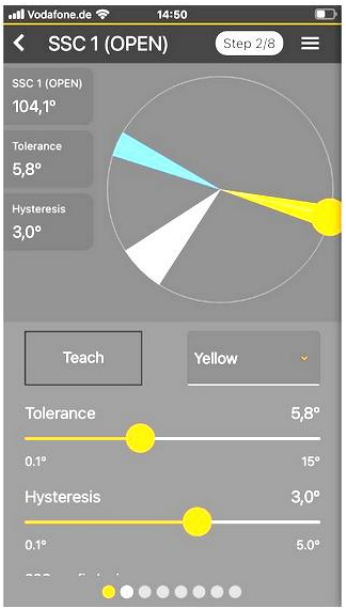
IOL100

IO-LINK EDUCATION KIT







GET IT ON Google Play

Download on the App Store

TRAINING APPLICATIONS

- **Introduction to the world's first standardised input/output technology (IEC 61131-9) dedicated to communication with sensors and actuators.**
- **Electrical wiring between different elements that can constitute the architecture of an IO-Link system**
- **Configuring IO-Link smart sensors using dedicated software.**
- **Configuring an RFID tag read/write head through an IO-Link interface.**
- **Activities for managing different sets of parameters (switching thresholds, sensitivity, ...) and diagnostics**
- **Reading and writing data on the Bluetooth connected IO-Link device via a smartphone app**

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IOL100

OPERATING PRINCIPLE

The IOL100 kit contains components for studying this Industry 4.0 standard: a point-to-point connection enabling sensors and actuators to communicate with control systems. PLCs and sensors exchange configuration data, diagnostic data and additional process information.

IO-Link is therefore not a field bus, but the natural evolution of existing and proven connection technology for sensors and actuators.

Users wire together the components they wish to use, then configure them using the supplied software.

They then physically operate the optical detector or RFID read head and tags, and make various adjustments.

This equipment is manufactured in accordance with the European Machinery Directive.

Illustrations



Technical specifications

1. Bluetooth IO-Link Adapter, EIO330
2. Connector power supply, E80120
3. 1 m D-coded Ethernet cable, EVF556
4. 2m Y cable, EVC843
5. Optical distance detector, OGD580
6. 1-segment signal lamp, DV2121
7. IO-Link configuration software, QA0011
8. IO-Link master with IoT interface, AL1350
9. 4 1m M12 connection cables, EVC042
10. IO-Link data splitter, E43406
11. 3 RFID tags, E80371
12. HF RFID read/write head, DTI515
13. Rigid case for the transport of all equipment

Ins

- Power supply : 240 Vac – 50 Hz –6 A
- Electrical supply type: 1 phase + Neutral + Earth.
- Dimensions (L × W × H, mm): 450 x 360 x 140
- Weight (kg): 5

Note: If the equipment is installed by our team, all utility connections must be located within 2 m of the machine.

Documentation

- Instruction manual
- Teaching manual
- Technical documentation
- Practical exercises
- Electrical diagram
- Operating software
- CE certificate of conformity

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ENGLISH TRANSLATION OF ILLUSTRATION TEXT

The original diagrams, photographs and software screens are retained. The English text below provides the corresponding technical information and labels.

General IO-Link operating principle — diagram labels

PLC; IO-Link master IP67/IP69K; cabinet-mounted IO-Link master IP20; PLC remote I/O or backplane card; OR.

IO-Link converter; IO-Link sensors; digital I/O modules; pneumatic valve manifold; standard digital actuators; analogue 4–20 mA sensors; IO-Link actuators; RFID antenna; digital sensors.

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