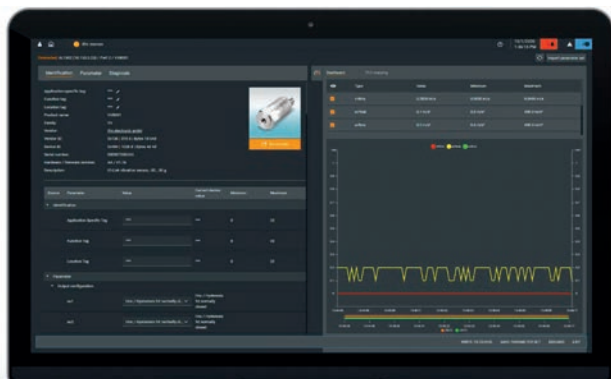


STUDY CASE OF A CONVEYOR WITH AUTOMATON AND IO-LINK SENSORS



Supervision with the supplied Moneo configure software



Carrying case with ergonomic handle.
Dimensions: 534 x 374 x 190mm.
Powered by 230V-2P+E power cord.



Discover the use of IO-LINK smart sensors quickly and easily with this simple and intuitive case. Ideal for introducing your students to the technology quickly and clearly!

This case allows the use of remote sensors on a conveyor belt controlled by an included PLC. It features several discrete and digital sensors connected to an IO-LINK master. This allows data collection and transfer to the PLC via a MODBUS TCP fieldbus.

The "Monéo configure" software (included, free, Windows® only) allows the configuration and monitoring of IO-LINK devices via an Ethernet connection. For example, it allows you to view the number of hours a sensor has been in operation, its switching times, or its operating status. Preventive maintenance operations can then be scheduled.

The Bluetooth adapter allows for the configuration and visualization of IO-Link devices on tablets and smartphones via the downloadable "Moneo blue" application (Android and iOS).

Component identification information and other technical specifications are screen-printed on the front panels. Wiring with flying wires on 4mm terminals (cords supplied).

ref. VAL-AUTOIOL

DELIVERED
WIRED AND SETAUTONOMOUS
WIFI NETWORK

Bluetooth

TEACHING RESSOURCES
STUDENTS / TEACHER

OBJECTIFS PÉDAGOGIQUES

- Discover IO-LINK technology
- Wire IO-LINK devices
- Configure and view IO-LINK devices with Moneo configure
- Configure and view IO-LINK devices with Moneo blue
- Become familiar with monitoring
- Analyze an operating cycle
- Translate an operation into GRAFCET and LADDER diagrams
- Configure and program a PLC for communication with the IO-LINK master
- Program and test operating cycles on the PLC

Practical works

- Component identification
- Review of sensor types
- Study and implementation of IO-LINK equipment connections
- Configuration of IO-LINK equipment
- Visualization of measurements and detections on Moneo Configure and Moneo Blue
- Creation of GRAFCET and LADDER diagrams for an operating cycle
- Study and wiring of a PLC
- Configuration of the PLC for communication with an IO-LINK master
- Programming of the PLC in contact language via USB or Ethernet

CASE CONTENTS

- Conveyor belt
- 1 IO-LINK Master
- 1 IO-LINK Optical Distance Sensor
- 1 IO-LINK Inductive Sensor
- 1 IO-LINK Bluetooth Adapter
- 1 Schneider® M221 PLC
- 1 Wi-Fi Router
- 2 24VDC LEDs
- 1 24VDC Power Supply
- 1 10VDC Power Supply

Accessories Included

- 3 Tokens of different materials and heights