



IO-Link

Connect IO-Link to a PC via USB



USB IO-Link master



For connecting IO-Link sensors to a PC via USB

For quick parameter setting and easy reading of IO-Link sensors

Does not require a separate power supply

Industrially compatible, robust M12 connectors

Complete set with sensor cable, USB cable and parameter setting software



IO-Link for the PC

The AL1060 interface is a 1-port IO-Link master that acts as a gateway, establishing a connection between the IO-Link communication and a PC (via USB interface).

This allows users to conveniently configure sensors with IO-Link capability on a PC with the corresponding software prior to installation in the plant. This considerably reduces the set-up time and minimises setting faults.

For most sensors, no separate power supply is required. This makes it particularly easy to connect sensors installed in the plant to a laptop, e.g. to read out process values or adjust sensor parameters on site.



Advantages and customer benefits

• No power supply required

The AL1060 interface has a powerful integrated voltage converter, which generates a 24 V sensor voltage from the 5 V USB voltage at the IO-Link port. Depending on the computer, this output can be loaded with up to 150 mA. This is sufficient to operate most sensors. If higher currents are required at the sensor output, a separate power supply can be connected.

• Robust, field-compatible connections

The three connections on the device – IO-Link, USB and optional supply voltage – are designed as robust and field-compatible M12 connections. This means that the interface can even be used in harsh environments.

• Status LEDs

Several status LEDs on the unit provide the user with a status overview and facilitate error localisation. For example, if the USB power supply is insufficient for a sensor, this is indicated by an LED.

• Scope of supply

In addition to the AL1060 IO-Link master, the set includes all connection cables required for operation (M12 B-coded for USB, M12 A-coded for sensor) as well as the LR DEVICE parameter setting software.

A wide-range power supply unit with different adapter plates for worldwide use is available as an option.

Products

Type	Description	Order no.
Included in the set		ZZ1060
	IO-Link master USB 1 port	AL1060
	Connection cable M12 / M12, 1 m, PUR cable	EVC012
	Connection cable M12 socket, B-coded / USB plug	E12689
	LR DEVICE (USB stick), IO-Link parameter setting software	QA0011
Optional accessories		
	Plug-in power supply with interchangeable adapter, 230V/24V, worldwide	E80121
	Plug-in power supply with interchangeable adapter, 230V/24V, Germany	E80120

Technical data

IO-Link master USB 1 port AL1060		
Sensor supply	[V DC]	24
Sensor supply - AUX Current consumption	[mA]	< 650
Sensor supply - USB Current consumption	[mA]	< 150
IO-Link version		1.1
USB version		2.0
Number of IO-Link A-ports		1
Number of binary inputs		2
Number of binary inputs		2
Protection rating		IP 65, IP 67