

# IO-Link master

# IO-Link-Master02-USB

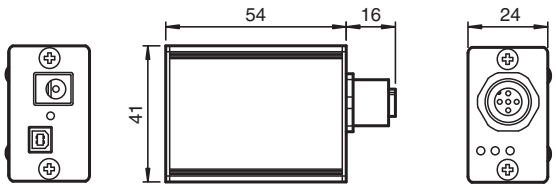
- IO-Link Interface for process data, parameterization and diagnosis
- Power supplied via USB
- Easy connection to a PC/laptop via USB
- Additional voltage supply for devices with higher current consumption included
- Software for display and evaluation on PC available for free download

IO-Link master, supply via USB port or separate power supply, LED indicators, M12 plug for sensor connection

## Function

The IO-Link USB master is used for communication with IO-Link devices. Its purpose is to connect IO-Link sensors to a PC USB port. Following installation of the supplied FDT tools, connected IO-Link sensors can be conveniently configured and parameterized. Sensor diagnostics is also possible. For sensors with a low current consumption, power is supplied directly via the USB master. For sensors with a higher current consumption, an additional external power supply is available. The device is extremely well suited for testing purposes and for commissioning and service operations.

## Dimensions




## Technical Data

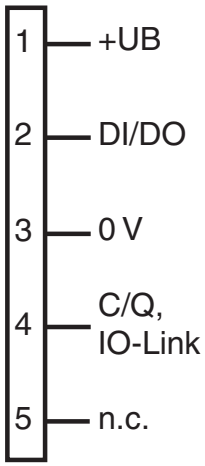
| | | |
|---|---|---|
| **Indicators/operating means** | | |
| Function indicator | | communication: LED green<br>status display: LED yellow<br>diagnostic display: LED red<br>Operating voltage indicator: yellow LED |
| **Electrical specifications** | | |
| Operating voltage | $U_B$ | 24 V DC / USB 5 V DC |
| Operating current | $I_B$ | < = 500 mA |
| **Interface** | | |
| Interface type | | IO-Link |
| Protocol | | IO-Link V1.1 , IO-Link V1.0 |
| Supported baud rates | | COM1 (4.8 kbits/s) , COM2 (38.4 kBit/s) , COM3 (230.4 kbits/s) |
| **Output** | | |
| Load current | | max. 80 mA via USB for sensor supply voltage<br>1 A via external power supply |
| **Approvals and certificates** | | |
| Approvals | | CE |
| **Ambient conditions** | | |
| Ambient temperature | | 0 ... 45 °C (32 ... 113 °F) |
| Storage temperature | | -40 ... 80 °C (-40 ... 176 °F) |
| Relative humidity | | 95 % non-condensing |

Release date: 2025-07-07 Date of issue: 2025-07-07 Filename: 304074_eng.pdf

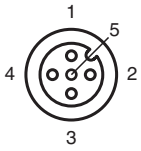
## Technical Data

| | | |
|---|---|---|
| **Mechanical specifications** | | |
| Degree of protection | | IP20 (when properly connected) |
| Connection | | IO-Link port: 5-pin, M12x1 socket, A-coded<br>Operating voltage : DC-9, 2.1 mm<br>USB 2.0 : MiniB USB plug-in connector |
| Material | | |
| Housing | | Aluminum |
| Mass | | approx. 100 g |
| Dimensions | | |
| Height | | 24 mm |
| Width | | 41 mm |
| Depth | | 54 mm |
| **General information** | | |
| Scope of delivery | | USB connection cable<br>24 V DC power supply<br>IO-Link USB Master 2.0 |

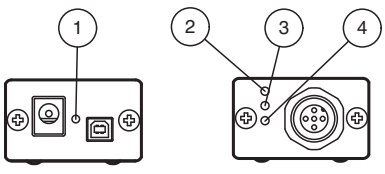
## Connection Assignment




## Connection Assignment




## Assembly




| | | |
|---|---|---|
| 1 | Operating display | yellow |
| 2 | Signal display CH1 (C/Q) | green/yellow |
| 3 | Signal display CH2 (DI/DO) | yellow |
| 4 | Error display | red |

Release date: 2025-07-07 Date of issue: 2025-07-07 Filename: 304074_eng.pdf