



## IO-Link Master

### IO-Link-Master02-USB

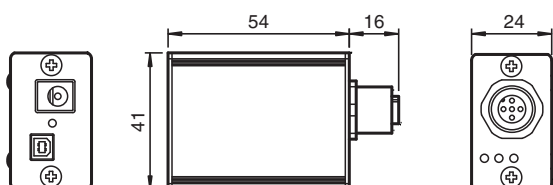
IO-Link master, supply via USB port or separate power supply, LED indicators, M12 plug for sensor connection



### 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 status display: LED yellow diagnostic display: LED red Operating voltage indicator: yellow LED
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#### Electrical specifications

Operating voltage	$U_B$	24 V DC / USB 5 V DC
Operating current	$I_B$	$\leq 500$ mA

#### Interface

Interface type	IO-Link
Protocol	IO-Link V1.1 , IO-Link V1.0

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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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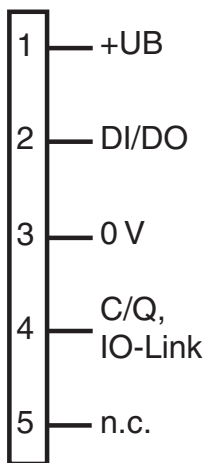
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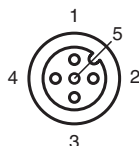
**Technical Data**

Supported baud rates	COM 1 (4.8 kBaud) , COM 2 (38.4 kBaud) , COM 3 (230.4 kBaud)
<b>Output</b>	
Load current	max. 80 mA via USB for sensor supply voltage 1 A via external power supply
<b>Approvals and certificates</b>	
Approvals	CE
<b>Ambient conditions</b>	
Ambient temperature	0 ... 45 °C (32 ... 113 °F)
Storage temperature	-40 ... 80 °C (-40 ... 176 °F)
Relative humidity	95 % non-condensing
<b>Mechanical specifications</b>	
Degree of protection	IP20 (when properly connected)
Connection	IO-Link port: 5-pin, M12x1 socket, A-coded Operating voltage : DC-9, 2.1 mm USB 2.0 : MiniB USB plug-in connector
Material	
Housing	Aluminum
Mass	approx. 100 g
<b>General information</b>	
Scope of delivery	USB connection cable 24 V DC power supply IO-Link USB Master 2.0

**Connection Assignment**



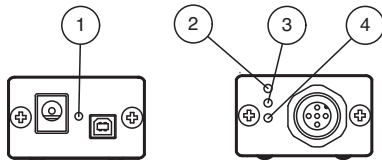
**Connection Assignment**



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**Assembly**



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

**Accessories**

	<b>V19-G-BK2M-PUR-U-V1-G</b>	Connection cable, M12 to M12, 8/4-pin, PUR cable
	<b>IO-Link USB Master DTM 2.0</b>	Communication DTM for operating the IO-Link USB Master 2.0
	<b>PACTware 4.1</b>	FDT Framework
	<b>IODD Interpreter DTM</b>	Software for the integration of IODDs in a frame application (e. g. PACTware)
	<b>V15-G-1M-PUR-V15-G</b>	Connecting cable, M12 to M12, PUR cable 5-pin
	<b>IO-Link Offline Parameterization Tool</b>	Installation package for IO-Link offline parameterization: PACTware DC, drivers for IO-Link USB-Master, IODD Interpreter DTM
	<b>IO-Link-Master02-USB</b>	IO-Link master, supply via USB port or separate power supply, LED indicators, M12 plug for sensor connection

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## Accessories

Other suitable accessories can be found at [www.pepperl-fuchs.com](http://www.pepperl-fuchs.com)

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