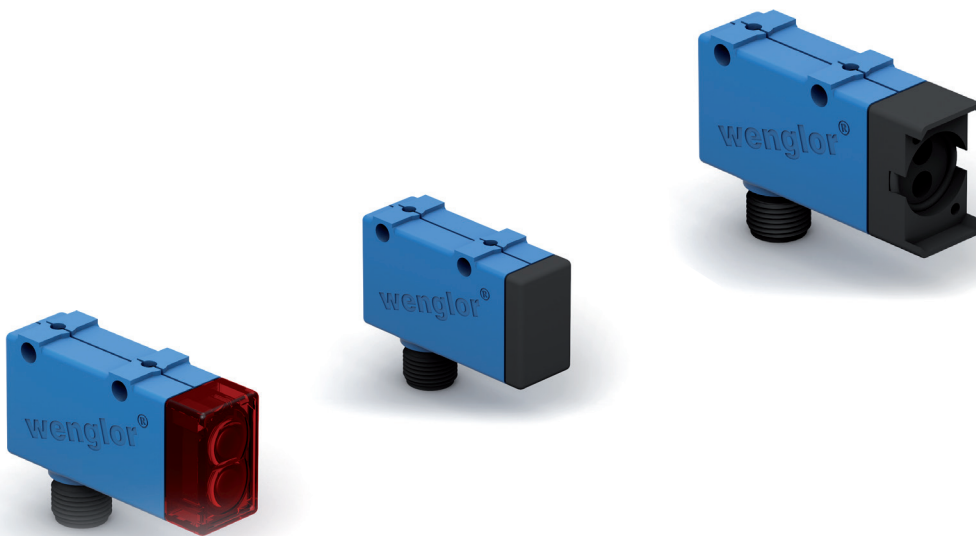


# OLM653C0102, OUM502C0002, OTM502C0002

Retro-Reflex Sensors



Interface Description

# IO-Link OLM653C0102, OUM502C0002, OTM502C002

## Vendor ID

Product	hex	dec	hex (Bytes)	dec (Bytes)
wenglor sensoric GmbH	0x0057	87	00 57	0 87

## Device ID

Product	hex	dec	hex (Bytes)	dec (Bytes)
OLM653C0102	0x010900	67840	01 09 00	1 9 0
OUM502C0002	0x010B00	68352	01 0B 00	1 11 0
OTM502C0002	0x010A00	68096	01 0A 00	1 10 0

IO-Link Version: V1.0  
 Parameter Server / Data Storage: No  
 Blockparameter: No  
 MinCycleTime: 2,3 ms  
 SIO-Mode: Yes  
 COM-Mode: COM2  
 ISDU: No  
 Process data In (Device to Master): 16 Bit  
 Process data Out (Master to Device): —

## Process data (Length: 16 Bit)

Subindex	Name	Bit Offset	Data Type	Valid for versions	Range
1	A1 Output	0	Bool	all	0 = off 1 = on
2	Signal Warning	1	Bool	all	0 = off 1 = on
3	---	2	---	---	---
4	---	3	---	---	---
5	Signal	4	Uint12	all	0...4095

## Octet 0

Subindex	5							
Bit Offset	15	14	13	12	11	10	9	8

## Octet 1

Subindex	5				---	---	2	1
Bit Offset	7	6	5	4	3	2	1	0

## Parameter

Name	Index (hex)	Index (dec)	Sub-index	R/W	Data type	Default value	Range
<b>Identification</b>							
Direct Parameters 1.Vendor ID 1	0x0000	0	8	R	UInt8	0	
Direct Parameters 1.Vendor ID 2	0x0000	0	9	R	UInt8	87	
Direct Parameters 1.Device ID 1	0x0000	0	10	R	UInt8	-	
Direct Parameters 1.Device ID 2	0x0000	0	11	R	UInt8	-	
Direct Parameters 1.Device ID 3	0x0000	0	12	R	UInt8	-	
<b>Parameter</b>							
Reset to delivery status	0x0001	1	1 (Bit 0)	R/W	Bool	0	0 = On 1 = Off
Start Teach-In	0x0001	1	1 (Bit 1)	R/W	Bool	0	0 = On 1 = Off
Lock Teach-Button	0x0001	1	1 (Bit 2)	R/W	Bool	0	0 = On 1 = Off
NC/NO	0x0001	1	1 (Bit 3)	R/W	Bool	0	0 = NO 1 = NC
Minimal Teach/Normal Teach	0x0001	1	1 (Bit 4)	R/W	Bool	0	0 = Normal Teach-in 1 = Minimal Teach-in
Dynamic readjustment	0x0001	1	1 (Bit 6)	R/W	Bool	0	0 = On 1 = Off
High Byte On Delay in ms	0x0001	1	2	R/W	UInt8	0	
Low Byte On Delay in ms	0x0001	1	3	R/W	UInt8	0	
High Byte Off Delay in ms	0x0001	1	4	R/W	UInt8	0	
Low Byte Off Delay in ms	0x0001	1	5	R/W	UInt8	0	
digit. maximum filter: Filter time (in $\mu$ s) = Parameter value $\times$ 100	0x0001	1	6	R/W	UInt8	1	
High Byte of lower threshold	0x0001	1	7	R/W	UInt8	0	
Low Byte of lower threshold	0x0001	1	8	R/W	UInt8	150	
High Byte of upper threshold	0x0001	1	9	R/W	UInt8	0	
Low Byte of upper threshold	0x0001	1	10	R/W	UInt8	210	
Exchange Data for comatibility of the sensor	0x0001	1	11	R/W	UInt8	-	
Exchange Data for comatibility of the sensor	0x0001	1	12	R/W	UInt8	-	