

EN

OPT2206

Ultrasonic Through-Beam Sensor



Interface Description

OPT2206

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)
OPT2206	0x3B0D04	3869956	3B 0D 04	59 13 4

IO-Link Information

IO-Link Version:	V1.1
Data Storage:	Yes
Blockparameter:	Yes
Min Cycle time:	3,3 ms
SIO-Mode:	Yes
COM-Mode:	COM2
ISDU:	Yes
Process data In (Device to Master):	48 Bit
Process data Out (Master to Device):	8 Bit

IO-Link Profiles

Common Profile
Function Class Identification
Function Class Diagnosis
Smart Sensor Profil – Measuring Sensor, Type 3.3
Smart Sensor Profil – Transducer Disable
Common Profile

Process Output data

Master to Device, if parameter “Process Data Type” = Normal

Subindex	Name	Bit Offset	Length	Range
4	Emitted Signal	0	1 Bit	0 = Enabled 1 = Disabled
3	Find Me	1	1 Bit	0 = Off 1 = Blinking

Octet 0		
Subindex	3	4
Bit Offset	1	0

Parameter

Name	Index (hex)	Index (dec)	Sub-index	R/W	Datatype	Data Storage	Dynamic	Modify others	Default value	Range
Identification										
Vendor Name	0x0010	16	0	R	String 32 Byte				wenglor sensoric GmbH	
Vendor Text	0x0011	17	0	R	String 32 Byte				the innovative family	
Product Name	0x0012	18	0	R	String 32 Byte				OPT2206	
Product ID	0x0013	19	0	R	String 32 Byte				OPT2206	
Product Text	0x0014	20	0	R	String 32 Byte				Ultrasonic Distance Sensor	
Serial Number	0x0015	21	0	R	String 9 Byte				—	
Hardware Version	0x0016	22	0	R	String 32 Byte				—	
Firmware Version	0x0017	23	0	R	String 32 Byte				—	
Tags										
Application Specific Tag	0x0018	24	0	R/W	String 32 Byte	X			***	
Sensor Localisation										
Find Me	0x1200	4608	0	R/W	Uint8		X		0 = Off	0 = Off 1 = Blinking
Device Settings										
System Command	0x0002	2	0	W	Uint8			X	—	Restore Factory Settings = 0x82 (130)
Device Access Locks.Data Storage Lock	0x000C	12	2	R/W	Bool	X			0 = unlocked	0 = unlocked 1 = Data Storage Locked
Device Access Locks.Local Parameterization Lock	0x000C	12	3	R/W	Bool	X			0 = unlocked	0 = unlocked 1 = Local Parameterization locked
Measurement Value Settings										
Sensor Mode	0x0110	272	0	R/W	Uint8	X			4	4 = Barrier Emitter
Emitted Signal	0x00E0	224	0	R/W	Uint8	X			0	0 = On 1 = Off
Sonic Cone	0x00E0	273	0	R/W	Uint8	X			0	0 = Standard 1 = Narrow 2 = Extra-narrow

Diagnosis

Name	Index (hex)	Index (dec)	Sub-index	R/W	Datatype	Data Storage	Dynamic	Modify others	Default value	Range
Status										
Device Status	0x0024	36	0	R	Uint8		X		0	0 = Proper Operation 1 = Maintenance required 2 = Out of specification 3 = Functional check 4 = Failure
Detailed Device Status	0x0025	37	0	R	Array of StringT3		X		0	Shows the pending Events (maximum 4)