### **Through-Beam Sensor**

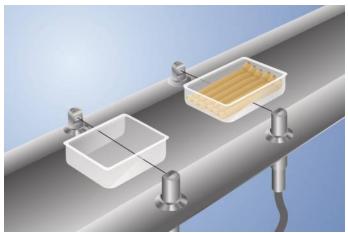
## OEII403C0103

Part Number



- Hygienic design makes it easy to clean
- Made with food safe materials that are FDA approved
- Touch teach-in, external teach-in
- Waterproof (IP68/IP69K)

InoxSens is the hygiene series from wenglor. The innovative design of InoxSens sensors allows contamination and cleaning agents to flow off by themselves. A variety of components form a complete system which integrates seamlessly into the machine. The laser welded stainless steel housing made of V4A (1.4404/316L) is corrosion-free and resistant to cleaning agents. Gapfree mounting with InoxLock and the captive optics further contribute to these sensors' optimal suitability for cleaning-heavy environments. The InoxSens sensors are set up with the help of touch teach-in and is made possible by the hermetically sealed housing.



#### **Technical Data**

Range 4	000 mm	
	000 mm	
Switching Hysteresis <	15 %	
Light Source R	Red Light	
Service Life (T = +25 °C)	00000 h	
Max. Ambient Light 1	0000 Lux	
Opening Angle 3	0	
Electrical Data		
Sensor Type R	leceiver	
Supply Voltage 1	030 V DC	
Current Consumption (Ub = 24 V) <	40 mA	
Switching Frequency 5	00 Hz	
Response Time 1	ms	
Temperature Drift <	10 %	
Temperature Range -2	2560 °C	
Switching Output Voltage Drop <	2,5 V	
PNP Switching Output/Switching Current 2	00 mA	
Residual Current Switching Output <	50 μA	
Short Circuit and Overload Protection ye	es	
Reverse Polarity Protection ye	es	
Teach Mode N	IT, MT, XT	
Protection Class II	l	
Mechanical Data		
Setting Method T	each-In	
Housing Material S	Stainless steel 316L	
Degree of Protection IF	P68/IP69K	
Connection M	M12 × 1; 4-pin	
Optic Cover P	MMA (FDA)	
Material Control Panel P	PC (FDA)	
PNP NC		
RS-232 with Adapterbox		
Connection Diagram No.	152	
Control Panel No.	ll1	
Suitable Connection Equipment No.	2	
Suitable Mounting Technology No.	140 490	

#### **Suitable Emitter**

OSII403Z0103

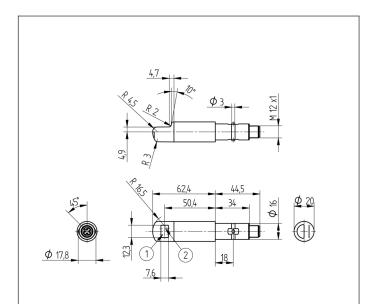
#### **Complementary Products**

Adapterbox A232 PNP-NPN Converter BG2V1P-N-2M Software

### **Photoelectronic Sensors**

#### InoxSens





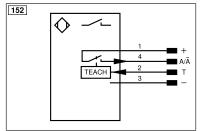
# Ctrl. Panel



01 = Switching Status Indicator02 = Contamination Warning06 = Teach Button

2 = Receiver All dimensions in mm (1 mm = 0.03937 Inch)

1 = no function



Legend						
+	Supply Voltage +	nc	Not connected	ENBRS422	Encoder B/B (TTL)	
-	Supply Voltage 0 V	U	Test Input	ENA	Encoder A	
~	Supply Voltage (AC Voltage)	Ū	Test Input inverted	ENв	Encoder B	
A	Switching Output (NO)	W	Trigger Input	Amin	Digital output MIN	
Ā	Switching Output (NC)	VV-	Ground for the Trigger Input	Amax	Digital output MAX	
V	Contamination/Error Output (NO)	0	Analog Output	Аок	Digital output OK	
V	Contamination/Error Output (NC)	O-	Ground for the Analog Output	SY In	Synchronization In	
E	Input (analog or digital)	BZ	Block Discharge	SY OUT	Synchronization OUT	
Т	Teach Input	Amv	Valve Output	Olt	Brightness output	
Z	Time Delay (activation)	а	Valve Control Output +	M	Maintenance	
S	Shielding	b	Valve Control Output 0 V	rsv	Reserved	
RxD	Interface Receive Path	SY	Synchronization	Wire Colo	lors according to DIN IEC 60757	
TxD	Interface Send Path	SY-	Ground for the Synchronization	BK	Black	
RDY	Ready	E+	Receiver-Line	BN	Brown	
GND	Ground	S+	Emitter-Line	RD	Red	
CL	Clock	<u>+</u>	Grounding	OG	Orange	
E/A	Output/Input programmable	SnR	Switching Distance Reduction	YE	Yellow	
0	IO-Link	Rx+/-	Ethernet Receive Path	GN	Green	
PoE	ower over Ethernet	Tx+/-	Ethernet Send Path	BU	Blue	
IN	Safety Input	Bus	Interfaces-Bus A(+)/B(-)	VT	Violet	
OSSD	Safety Output	La	Emitted Light disengageable	GY	Grey	
Signal	Signal Output	Mag	Magnet activation	WH	White	
BI_D+/-	Ethernet Gigabit bidirect. data line (A-D)	RES	Input confirmation	PK	Pink	
EN0 RS422	Encoder 0-pulse 0/0 (TTL)	EDM	Contactor Monitoring	GNYE	Green/Yellow	
PT	Platinum measuring resistor	ENARS422	Encoder A/Ā (TTL)			

