

# Through-Beam Sensor

## OEII403C0103

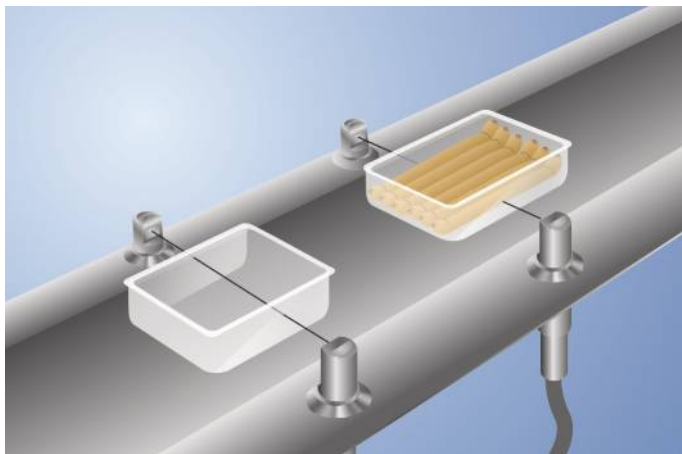
Part Number

InoxSens



- 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. Gap-free 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

| Optical Data                           |                      |
|--|----------------------|
| Range                                  | 4000 mm              |
| Switching Hysteresis                   | < 15 %               |
| Light Source                           | Red Light            |
| Service Life (T = +25 °C)              | 100000 h             |
| Max. Ambient Light                     | 10000 Lux            |
| Opening Angle                          | 3 °                  |
| Electrical Data                        |                      |
| Sensor Type                            | Receiver             |
| Supply Voltage                         | 10...30 V DC         |
| Current Consumption (Ub = 24 V)        | < 40 mA              |
| Switching Frequency                    | 500 Hz               |
| Response Time                          | 1 ms                 |
| Temperature Drift                      | < 10 %               |
| Temperature Range                      | -25...60 °C          |
| Switching Output Voltage Drop          | < 2,5 V              |
| PNP Switching Output/Switching Current | 200 mA               |
| Residual Current Switching Output      | < 50 µA              |
| Short Circuit and Overload Protection  | yes                  |
| Reverse Polarity Protection            | yes                  |
| Teach Mode                             | NT, MT, XT           |
| Protection Class                       | III                  |
| Mechanical Data                        |                      |
| Setting Method                         | Teach-In             |
| Housing Material                       | Stainless steel 316L |
| Degree of Protection                   | IP68/IP69K           |
| Connection                             | M12 × 1; 4-pin       |
| Optic Cover                            | PMMA (FDA)           |
| Material Control Panel                 | PC (FDA)             |
| PNP NC                                 | ●                    |
| RS-232 with Adapterbox                 | ●                    |
| Connection Diagram No.                 | 152                  |
| Control Panel No.                      | II1                  |
| Suitable Connection Equipment No.      | 2                    |
| Suitable Mounting Technology No.       | 140 490              |

### Suitable Emitter

|              |
|--------------|
| OSII403Z0103 |
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### Complementary Products

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

## 111

