

Laser Distance Sensor

Time of Flight

OY1PS941

Part Number



- 2 mutually independent switching outputs
- Analog output (0...10 V/4...20 mA)
- IO-Link interface
- Reliable in case of glossy objects with wintec
- Secure detection of black objects also in extremely inclined positions with wintec

These sensors have scratch-resistant optics and the emitted light can be switched off. They use the transit time measurement principle to measure the distance between the sensor and the object.

wenglor interference-free technology (wintec) has revolutionized sensor technology:

It makes it possible to mount several sensors directly next to, or opposite each other without the sensors influencing each other. The sensors reach a very high switching frequency and use laser class 1, which is safe for the human eye.

Technical Data

Optical Data

Working Range 50...3050 mm

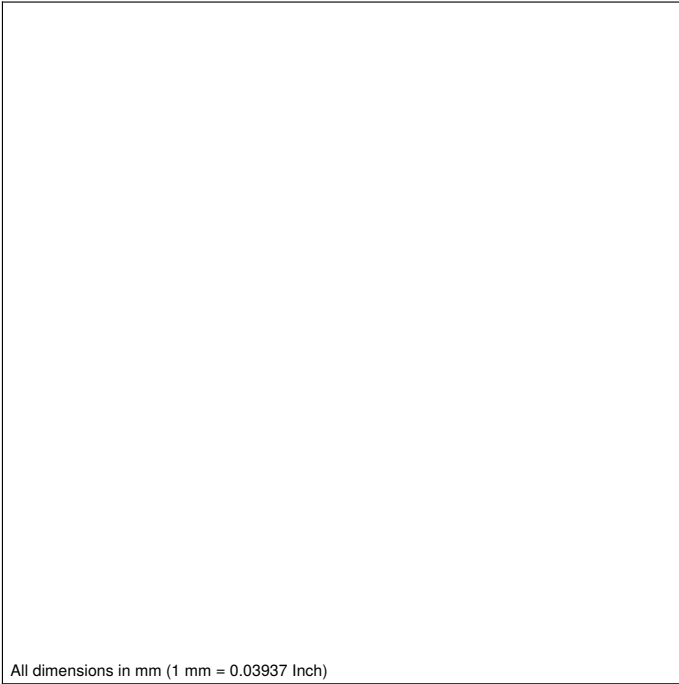
Laser Class (EN 60825-1) 1

Electrical Data

Supply Voltage 18...30 V DC

Analog Output 0...10 V

Scope of delivery 1 × initial start-up instructions
1 × sensor



All dimensions in mm (1 mm = 0.03937 Inch)