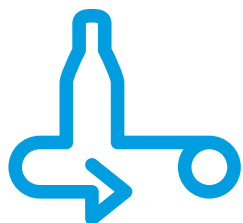


OsiSense application



Long-distance proximity sensors

Detecting metal objects very close to the movement may cause irreparable damage to the sensor.

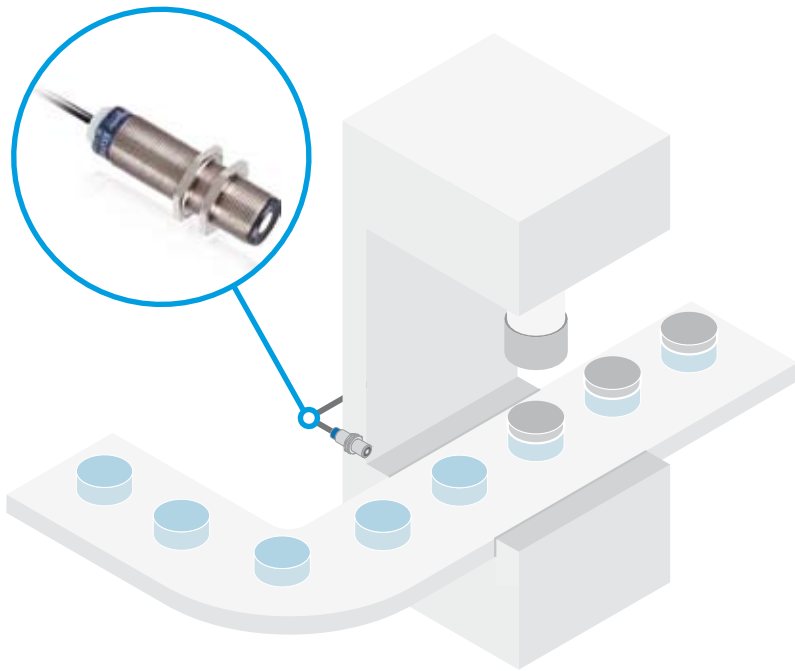
If sensing distances of just a few millimetres are used, moving metal objects could accidentally impact with the sensor, causing it to break. To avoid machine downtime following this type of incident and, most importantly, to reduce maintenance costs, it is recommended that moving metal objects are detected at a distance which presents no danger to the sensor.

Ultrasonic technology has now made it possible to have far greater sensing distances. OsiSense™ XXV ultrasonic sensors allow detection up to 50 mm in distance (2.5 times further than standard products on the market), regardless of the environment, the material or the colour.



Telemecanique

Sensors



Benefits

Increased sensing distance regardless of the material or the colour

- Sensing up to a distance of 50 mm
- Sensing of opaque, transparent and solid objects, both metal and plastic
- No sensitivity adjustment
- Not sensitive to ambient light, the colour of the object to be detected or to harsh environments.

Easy to select, fit, and adjust

- Choose the right reference to order PNP/NPN/NO/NC with 2 types of connection, via cable or M12 connector, to adapt for all your applications
- Threaded diameter of 18 mm for easy fitting and adjustment on a standard bracket using 2 nuts
- Output indication LED visible over 360°.



Characteristics

OsSense XXV ultrasonic sensors

- Sensing distance: 2 to 50 mm
- 1 discrete output: 200 mA
- Metal casing
- LED visible over 360°
- Connection by cable or M12 connector, 4 pin
- Power supply 10 ... 36 V DC
- Protection rating: IP67, IP69K
- Operating temperature: 0 to + 60°C.

References

	Output	Function	Connection	References
OsSense XXV ultrasonic sensors	PNP	NO	5 m cable M12 connector	XXV18B1PAL5 XXV18B1PAM12
		NC	5 m cable M12 connector	XXV18B1PBL5 XXV18B1PBM12
	NPN	NO	5 m cable M12 connector	XXV18B1NAL5 XXV18B1NAM12
		NC	5 m cable M12 connector	XXV18B1NBL5 XXV18B1NBM12
Accessories	Extension	M12 straight M12 angled	5 m cable	XZCP1141L5 XZCP1241L5
	Mounting bracket			XUZA118

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Due to the constant evolution of standards and equipment, the specifications indicated in the text and images of this document can only be guaranteed after confirmation by our departments

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