



OsiSense™ XX for mobile equipment, material handling & conveying



A new benchmark for ultrasonic sensors is here

The new and improved OsiSense™ XX Ultrasonic sensors from Telemecanique Sensors make reliable detection “Simply easy!”

Highly immune to electromagnetic interference

The new OsiSense™ ultrasonic sensors are E2-certified for mobile equipment. This entails a higher immunity to electromagnetic interference even in the most demanding environments.

Detection of small targets and curved surfaces

A powerful transducer and superior electronic design have made it easy to detect even the smallest targets. The high sensitivity level of these new OsiSense™ sensors enables them to detect even poorly reflective and curved surfaces.

Detection over a large coverage area

In the past, attempts to detect objects over a large area with multiple ultrasonic sensors would sometimes fail due to the fact that the sensor signals interfered with each other. With the ‘synchronization’ feature of the new XX Ultrasonic sensors, it is now possible to reliably detect objects over a large area without risk of cross-talk, even when the ultrasonic sensors are installed closer together.

Simply easy!



Features and Benefits

Standard format

- M18 cylindrical: straight and 90° angled
- M12, 5-pin connector
- Available in plastic, Nickel-plated brass & SS316L

High performance

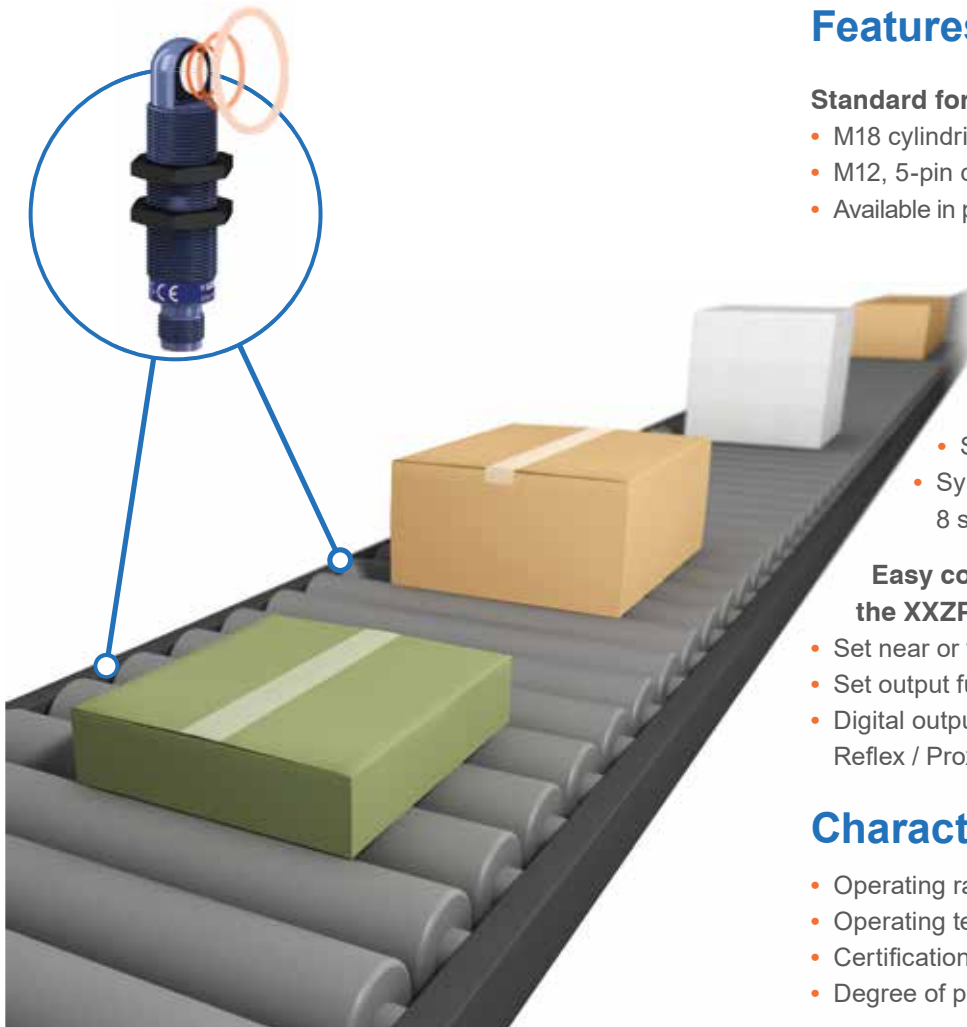
- Tilt angle of up to +/- 35° at 500mm
- Detect a Ø1mm cylinder at up to 600mm
- Switching frequency up to 10 Hz
- Synchronization capability up to 8 sensors

Easy configuration using the XXZPB100 accessory

- Set near or far limits
- Set output function: NO/NC or direct/inverse
- Digital output: Select between Window / Reflex / Proximity / Pump modes

Characteristics

- Operating range: 105...1000mm
- Operating temperature: -25°...70°C
- Certifications: E2, cULus, RCM, EAC
- Degree of protection: IP67



References

Sensing Distance	Sensing Axis	Output Signal*	Output Function	Tube Material**	Reference
Up to 1000mm	Straight	Digital - PNP	NO / NC	Plastic	XXS18P1PM12
Up to 1000mm	Straight	Analog - 4-20mA	Direct / Inverse	Plastic	XXS18P1AM12
Up to 1000mm	Straight	Digital - PNP	NO / NC	Ni-plated Brass	XXS18B1PM12
Up to 1000mm	Straight	Analog - 4-20mA	Direct / Inverse	Ni-plated Brass	XXS18B1AM12
Up to 1000mm	90° angled head	Digital - PNP	NO / NC	Plastic	XXA18P1PM12
Up to 1000mm	90° angled head	Analog - 4-20mA	Direct / Inverse	Plastic	XXA18P1AM12
Up to 1000mm	90° angled head	Digital - PNP	NO / NC	Ni-plated Brass	XXA18B1PM12
Up to 1000mm	90° angled head	Analog - 4-20mA	Direct / Inverse	Ni-plated Brass	XXA18B1AM12

*Output signal 0-10V also available.

**Tube material SS316L also available



XX Configuration Software

For advanced / custom sensor configurations, XX Configuration software is now available. Contact your local Telemecanique Sensors sales representative for more details.

For our complete selection of sensor solutions, visit www.tesensors.com

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