



## XX Software-configurable wide beam Ultrasonic Sensors

### Wide angle ultrasonic sensor detection for logistic applications



Innovative XX Wide beam Beam Ultrasonic Sensors from Telemecanique Sensors make efficient detection for logistic system “**Simply easy!**”

#### Detection over a large area detection

With the newly designed PCB of the XX Ultrasonic Sensor, the width of the detection beam becomes much larger and can cover a greater area, which provides efficient detection by using less sensors. When conditions require multiple sensors to be installed in close proximity to each other, the ‘synchronization’ feature of the new XX Ultrasonic sensors allows reliable detection of objects from each sensor with minimal risk of cross-talk.

#### Reliable detection in variant environments

XX Wide Beam ultrasonic with high repeat accuracy & high EMC immunity can operate from -40°C to +70°C to make detection more reliable in different environments. The high tilt angle helps detects objects in any position without losing reflected echo.

#### Machine integration

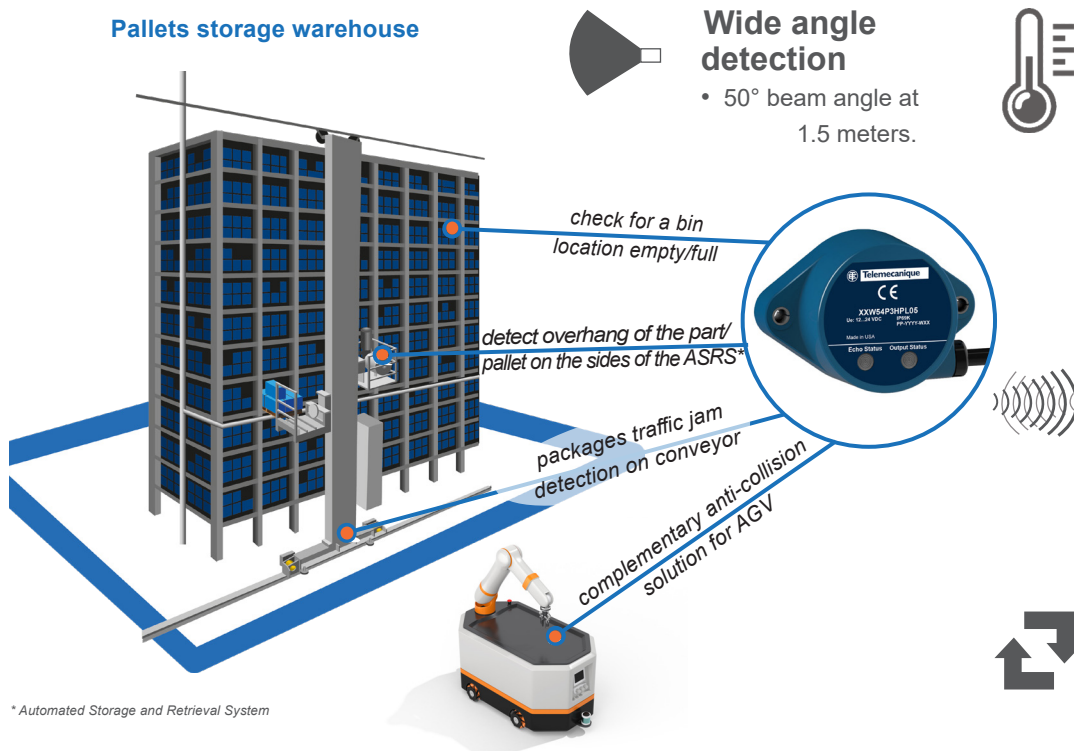
Dual outputs design ensures both the real-time distance measurement via analog output and alarm set-up for limit position through PNP output. The sensors come with configuration & troubleshooting by software and with an integrated M12 5-pin connector. Take them out of the box, plug them in!

**Simply easy!**



**Telemecanique**  
Sensors

## Pallets storage warehouse



\* Automated Storage and Retrieval System

## Wide angle detection

- 50° beam angle at 1.5 meters.



## Extreme environment

- Large operating temperature range from -40°C to +70°C
- High EMC immunity certified with E2

## Large tilt angle

- Stable detection of objects in any angle in front of sensors

## Synchronization

- Ability to enlarge areas of detection using multiple sensors without cross-talk.



## Features, Benefits & Characteristics

- 4-20mA or 0.5-4.5V analog output
- Tilt angle up to  $\pm 45^\circ$
- High repeat accuracy
- Synchronization capability
- Operating range: 3m
- Operating temperature: -40°...70°C
- Certifications: CE, cULus, E2
- Degree of protection: IP69k on face & housing
- Extra PNP output in proximity mode
- Noise alarm function

## Part Numbers

Sensing distance	Digital Output	Analog Output	Connection	Reference
3m	PNP	0.5 - 4.5V	0.5m cable	XXW54P3HPL05
			0.15 cable + M12 5-pin connector	XXW54P3HPL01M12
		4 - 20mA	0.5m cable	XXW54P3APL05
			0.15 cable + M12 5-pin connector	XXW54P3APL01M12



## XX Configuration Software

For advanced / custom sensor configurations, easy XX Configuration software is available.

- Set near and far limits
- Adjust gain
- Filter out anomalies
- Configuration clone between sensors
- Diagnostic in real-time

For our complete selection of sensor solutions, visit [www.tesensors.com](http://www.tesensors.com)

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