

Upgrade your sensing : small is your new big

Taking detection to new heights with the new XUM/XUB/XUN



 **IO-Link**



Telemecanique Sensors enriches its portfolio with the introduction of the new XUM-XUB-XUN sensors - compact sensors primed for outstanding detection performance!

Fully integrated into your machines

- New **miniature size** is purpose-built for tight production spaces. Offered in various formats, the installation process remains straightforward and significantly quicker.
- Rugged **anti-corrosive** or metal housing enables installation in confined spaces within challenging industrial settings and EMC environments.
- These **innovative sensors** boast a detection speed of **as fast as every half millisecond**, ensuring your production rate remains consistently at its peak.

Unmatched performance in compact form

- Despite their small size, these sensors offer an **unmatched sensing distance**, making them among the market's top-performing compact sensors.
- Ensure reliable detection through **anti-interference function**. Expand coverage by placing sensors side by side without mutual interference
- Even in well-lit environments, the sensor maintains optimal optical performance with remarkable **resistance to light pollution**.

Embrace the Smart Factory Revolution

- **Effortless installation** and constant connectivity deliver real-time data through **IO-Link**, supercharging your operations and maintenance. And for sensor replacement, it's as simple as a plug-and-play, just like the previous one!
- Rapidly set up your photoelectric sensors with their **user-friendly connectivity**, reducing installation time by approximately 30%. Each sensor is individually customized, granting them autonomous functionality.

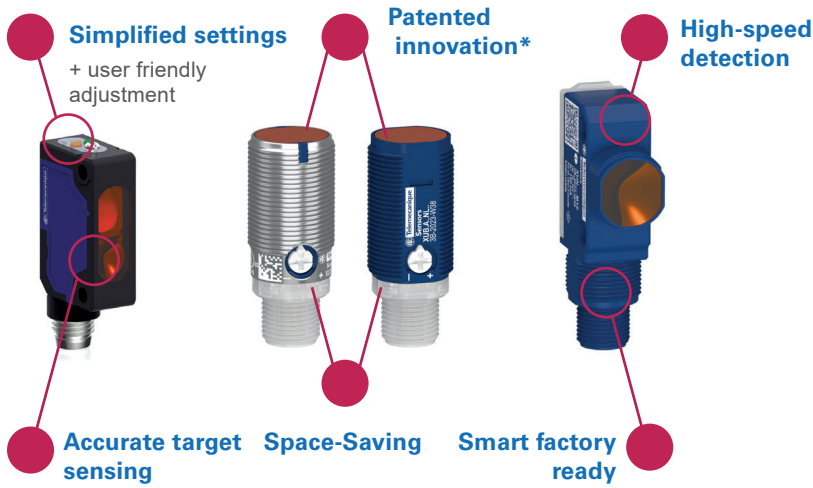
Simply easy!

tesensors.com

Features

Top level quality & performance

- Industry-leading distance detection capabilities ranging from 0.3m to an impressive 30m, offering versatile sensing options for various applications.
- Anti-interference mode enabling seamless side-by-side mounting of two sensors, ensuring reliable and accurate detection in complex environments.
- Swift detection capabilities with a 1kHz switching frequency and an ultra-responsive 0.5ms response time, providing fast and precise object detection in dynamic settings.



*Small reflector placed on "thru beam" sensors, reaching up to 30m, enabling the user to align the sensors in less than 4 minutes (compared to 15 minutes previously). This reduces installation time by a factor of 3!

Miniature sensors part numbers ⁽¹⁾



Mode	Max. Sensing Distance	Part Number 2m PVC cable	Part Number M12 connector	Part number IO-Link
Thru-beam (sold by pair)	30m / 98.4 ft.	XUM2APXBL2	XUM2APXBM8	XUM2APYBM8
Reflex (pol.)	8m / 26.2 ft.	XUM9APXBL2	XUM9APXBM8	XUM9APYBM8
Diffuse (long version) 2)	1.9m(2) / 6.2 ft.	XUM5APXBL2	XUM5APXBM8	XUM5APYBM8
BGS (background suppression)	300mm / 9.8 in.	XUM8APXBL2	XUM8APXBM8	XUM8APYBM8

IO-Link version in Q4 2024

Cylindrical ⁽³⁾ sensors part numbers ⁽¹⁾



Mode	Max. Sensing Distance	Part Number 2m PVC cable	Part Number M12 connector	Part number IO-Link
Thru-beam Axial	30m / 98.4 ft.	XUB2APXNL2	XUB2APXNM12	XUB2APYNM12
Thru-beam Angled	17m / 55,77 ft.	XUB2APXWL2	XUB2APXNM12	XUB2APYWM12
Reflex (pol.) Axial	7m / 26.2 ft.	XUB9APXNL2	XUB9APXNM12	XUB9APYNM12
Reflex (pol.) Radial	5.5m / 18,04 ft.	XUB9APXWL2	XUB9APXWM12	XUB9APYWM12
Diffuse Axial	1.1m / 6.2 ft.	XUB5APXBL2	XUM5APXNM12	XUM5APYNM12
Diffuse Angled	0.7m / 2,29 ft.	XUB6APXWL2	XUB6APXWM12	XUB6APYWM12
BGS	300mm / 9.8 in.	XUB8APXBL2	XUB8APXNM12	XUB8APYNM12

Hybrid sensors part numbers ⁽¹⁾



Mode	Max. Sensing Distance	Part Number 2m PVC cable	Part Number M12 connector	Part number IO-Link
Thru-beam	30m / 98.4 ft.	XUN2APXNL2	XUN2APXNM12	XUB2APYNM12
Reflex (pol.) Axial	7m / 26.2 ft.	XUN9APXNL2	XUN9APXNM12	XUN9APYNM12
Diffuse Axial	1m / 6.2 ft.	XUN5APXBL2	XUN5APXNM12	XUN5APYNM12
BGS	300mm / 9.8 in.	XUN8APXBL2	XUN8APXNM12	XUN8APYNM12

XUN: Available in Q3 2024

(1) For additional XU photoelectric sensors and our complete selection of sensor solutions, visit www.tesensors.com
 (2) Using infrared light
 (3) Only Plastic versions in this table. For Metal versions replace A letter in the reference by B. Example XUB5APXBL2 become XUB5BPXBL2.

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