

XUK

XUM

XUT



XUM Laser BGS sensors

Precise detection of cartons' presence

Discover ultra-precise miniature lasers!

Looking for sensors that redefine performance, size and connectivity in packaging machinery?



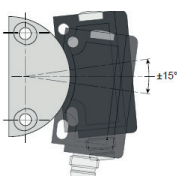
XUT



XUM



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Unprecedented detection performance

- **Versatility:** Our OEM sensors offer 3 distinct detection modes: diffuse, BGS (Background Suppression) and reflex, ensuring adaptability in a wide range of applications.
- **Exceptional range:** With sensing distances spanning from 70 mm to an impressive 13 meters. Our laser sensors cover all your detection needs, from the smallest components to the largest assemblies.
- **Laser precision:** Featuring a laser spotlight, our sensors guarantee pinpoint accuracy. So it reads, even for the most intricate object detection.
- **Rapid responsiveness:** Boasting a detection speed of up to 10 kHz, these sensors keep your production rate at the highest level.

Compact size and robustness

- **Space efficiency:** Available in compact, miniature and sub-miniature formats, our sensors are designed to fit easily into the tiniest spaces within your machinery.
- **Durable design:** The sensors are built to withstand demanding packaging environments with high IP degree protection. They're ECOLAB-certified for food and beverage applications, guaranteeing long-lasting performance.
- **Small object & contrast marks detection (for diffuse only):** Our laser sensors excel in the detection of small objects and contrast marks, providing accurate precision in packaging processes.

Effortless settings and connectivity

- **User-friendly interface:** Equipped with a teach button and a visible HMI featuring bright LEDs, Telemecanique Sensors offers a user-friendly setup and monitoring, simplifying your packaging operations.
- **Remote configuration:** Our new laser sensors also support remote setting adjustments through IO-Link, providing convenience and adaptability in real-time.

Simply easy!

tesensors.com



YAGEO GROUP

Brings you






Telemecanique Sensors




Laser Sensors – Diffuse mode detection

 Body format	Nominal sensing distance	Switching frequency	Degree of protection	Connector type	Part number IO-Link
Miniature	250 mm	4000 Hz	IP67 / IP69K	M8 connector	XUM5ALAYM8
Miniature	250 mm	4000 Hz	IP67 / IP69K	Pigtail 150 mm M12	XUM5ALAYP015
Miniature	250 mm	4000 Hz	IP67 / IP69K	Cable, 2 m	XUM5ALAYL2
 Compact	1.2 m	250 Hz	IP67 / IP69K	M12 Connector	XUK5LAPSMM12*


Laser Sensors – BGS (Background suppression) mode detection

 Body format	Nominal sensing distance	Switching frequency	Degree of protection	Connector type	Part number IO-Link
Sub-miniature	70 mm	800 Hz	IP67	Pigtail 200 mm M8	XUT8ALAYP02
Sub-miniature	70 mm	800 Hz	IP67	Cable, 2 m, 4-wires	XUT8ALAYL2
 Miniature	150 mm	1000 Hz	IP67 / IP69K	M8 connector	XUM8ALAYM8
Miniature	150 mm	1000 Hz	IP67 / IP69K	Pigtail 150 mm M12	XUM8ALAYP015
Miniature	150 mm	1000 Hz	IP67 / IP69K	Cable, 2 m, 4-wires	XUM8ALAYL2
 Compact	800 mm	250 Hz	IP67 / IP69K	M12 connector	XUK8LAPPNM12*

Laser Sensors – Reflex (with reflector) mode detection

 Body format	Nominal sensing distance	Switching frequency	Degree of protection	Connector type	Part number IO-Link
Sub-miniature	3 m	1000 Hz	IP67	Pigtail 200 mm M8	XUT9ALXP02
Sub-miniature	3 m	1000 Hz	IP67	Cable, 2 m, 4-wires	XUT9ALPXL2
 Miniature	10 m	10 000 Hz	IP67 / IP69K	M8 connector	XUM9ALAYM8
Miniature	10 m	10 000 Hz	IP67 / IP69K	Pigtail 150 mm M12	XUM9ALAYP015
Miniature	10 m	10 000 Hz	IP67 / IP69K	Cable, 2 m, 4-wires	XUM9ALAYL2
 Compact	14 m	250 Hz	IP67 / IP69K	M12 connector	XUK9LAPSMM12*

Laser Sensors – Thru-beam mode detection

 Body format	Nominal sensing distance	Switching frequency	Degree of protection	Connector type	Part number
Compact Transmitter	30 m	250 Hz	IP67 / IP69K	M12 connector	XUK2LAKSMM12T
Compact Receiver	30 m	250 Hz	IP67 / IP69K	M12 connector	XUK2LAPSMM12R

* no io-Link version

Discover our complete offer: www.telemecaniquesensors.com or contact your local sales agency

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