You need a fast, simple, and reliable sensor solution to integrate into your conveyor systems?

**Optimized installation and maintenance**
Simple, fast with no settings, no alignment, no environment teaching, and optimized mounting with no additional brackets or reflectors required.

**Full conveyor width detection**
No background or foreground limitations (especially for locations that use high-visibility jackets) while detection is effective on the full width of the conveyor.

**Shock and vibration protection reduces operation costs**
Embedding the sensor within the conveyor frame eliminates the need for brackets and reflectors, simplifies installation, and reduces maintenance time.

Simply easy!
Benefits

Fast, modular, and minimum installation time:
• No tools needed
• Easy mounting from the top, whatever the size of the conveyor
• 50% reduction in installation and adjustment time
• Different mounting solutions.

Full conveyor width detection:
• No package color effect thanks to reliable detection
• Easy direction adjustment, every 15°
• Full length detection thanks to multiple sensors

Shock protection cuts maintenance costs:
• The sensor is embedded within the frame and fixed between rollers to reduce the risk of shock damage.

Characteristics

Roller sensor OsiSense XUY
• From 1 to 6 sensors alongside the tube
• Detection mode: diffuse infrared
• Sensing distance: up to 100 mm
• Dust proof lens (shape and gain)
• Dimension: Ø 12 mm, from 200 to 900 mm
• Material case/lens: aluminium/PA
• Mounting solutions with spring effect:
  • Hexagonal 11.1 mm
  • Ø 8 mm
  • Adhesive part.
• Supply voltage: 24 V DC
• Connection: M12, 4 pins connector or cable
• Output: PNP/NPN, NO/NC by wiring
• Switching frequency: 500 Hz
• Operating temperature: -10°C to +55°C
• Degree of protection: IP50 (IP65 on request)
• New design with LED information even visible from behind

References

Roller sensor OsiSense XUY
Hexagonal mounting, connection for 474mm conveyor
Other lengths available from 200 to 900mm, on request

Cable Length 0.3 m with M12 connector, 4 pins
XUY474NB4H03M12

Accessories

Jumper M12 male/M12 female with 2 m cable

Elbowed
XZCR1512041C2
Straight
XZCR1511041C2

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