



Sensors



Switches



Controls

Application notes



Application Note : January 2020

Market involved : Materials handling

Product : LD30CNBI10...IO ... ToF

Customer : -

Subject : Material detection on conveyors

CUSTOMER ISSUE :

Objects need to be detected on small to medium size conveyors up to 1000 mm wide.

The objects can vary in size and colour.

Retro reflective or through beam sensors are used today, but they require installation on both sides of the conveyor.

OUR SOLUTION :

The LD30CNBI10...IO or the LD30ETBI10...IO can detect objects at a distance of up to 1000 mm, independently of the colour, structure or shape.

The sensor has a built-in IO-Link connection that allows settings in single point, two-point or windows mode.

With the blanking distance set at the maximum width of the belt, operators will not be detected even when wearing a highly reflective vest.

BENEFITS :

- Only one type of sensor is necessary to detect all the objects. This is due to the fact that these sensors are equipped with an IO-Link connection, making easy customization of distance, timer, logic function as well as different output configurations