

IO-Link
SensorsPhotoelectric
SensorsFiber-optic
Sensors

Standard Fibers

Fiber Sensors
Communication
Units

Mark Sensors

Laser Sensors

Safety Sensors

Pressure &
Flow SensorsInductive
Proximity
SensorsMeasurement
SensorsIonizers/
Electrostatic
Sensors

Accessories

EX-30



EX-30

An alternative to fiber sensors

Features

■ An alternative to fiber sensors

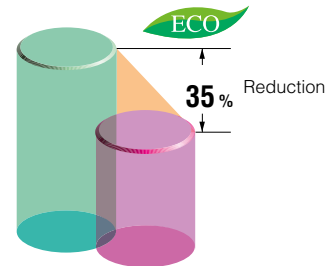
The **EX-30** series can be screw-mounted (M4 for thru-beam type, M6 for reflective type). This means that they can be inserted into production lines in exactly the same way as conventional fiber sensors.

■ 800mm thru-beam type available

The sensing range is 1.5 times greater than previous models! It also has a sensitivity adjuster to enable compatibility with a wide range of applications.

■ Less power consumed!

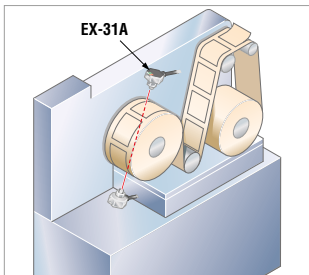
By relentlessly developing our technologies, we have been able to considerably reduce our sensors' power consumption.



Typical applications

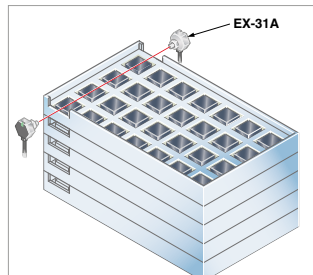
Detecting quantity of labels in label magazine

Detects the remaining amount of labels by the thickness of the roll.



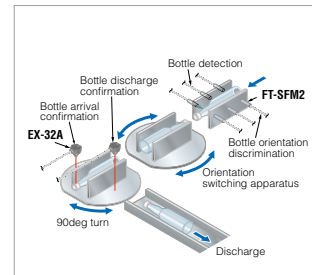
Detecting ICs

Detects whether ICs are accurately placed in IC trays.



Resin bottle detection

The EX-32A threaded photoelectric sensor confirms the arrival of bottles.



Technical specifications

Type		Thru-beam			Diffuse reflective		
Model no.	NPN output	EX-31A	EX-31B	EX-33	EX-32A	EX-32B	
	PNP output	EX-31A-PN	EX-31B-PN	EX-33-PN	EX-32A-PN	EX-32B-PN	
Sensing range		500mm			800mm	50mm	
Object to be sensed		Min. 2mm (or opaque)			Opaque, translucent or transparent object		
Supply voltage		12 to 24V DC \pm 10%					
Output		PNP / NPN open-collector transistor, max. 50mA					
Output operation		Light-ON	Dark-ON	Variable switching method	Light-ON	Dark-ON	
Response time		Max. 0.5ms					
Protection		IP67 (IEC)					
Ambient temperature		-25 to +55°C					
Connection method		Cable 2m					
Dimensions (HxWxD)		14x15.6x18mm					
Accessories		Nuts, 2 pcs.; washers, 2 pcs.			Nut, 1 pc.; washer, 1 pc.		

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