

Amplifier Built-in

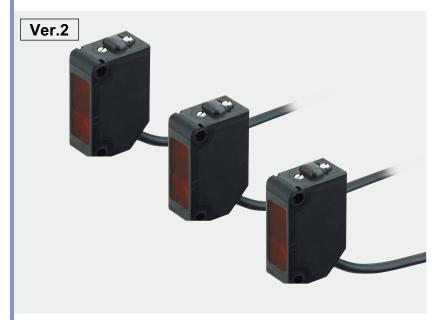
Adjustable Range Reflective Compact Photoelectric Sensor

CX-440 SERIES Ver.2



Adjustable Range Reflective Compact Photoelectric Sensor Amplifier Built-in

SERIES Ver.2







CX-441/443





2% hysteresis - demonstrates power in level difference sensing and heterochromatic object stability sensing

Can sense differences as small as 0.4 mm 0.016 in, CX-441/443 with hysteresis of 2 % or less

An advanced optical system provides sensing performance that is 2.5 times approx. than conventional models. Even ultra-small differences of 0.4 mm 0.016 in can be detected accurately.

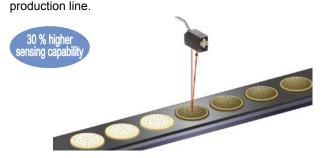


Height differences of as little as 0.4 mm 0.016 in can be detected at a setting distance of 20 mm 0.787 in



Hardly affected by colors

Both black and white objects can be sensed at the same distances. No adjuster control is needed, even when products of different colors are moving along the



The difference in sensing ranges is 1% or less between non-glossy white paper with a setting distance of 50 mm 1.969 in and non-glossy gray paper with a brightness level of 5.

ENVIRONMENTAL RESISTANCE

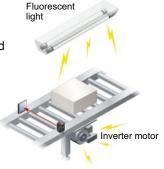
Strong against ethanol

A strong, ethanol resistant polycarbonate was used for the front and display covers. Safe even for installing near food processing machinery that disperses ethanol based detergents. The protection mechanism also conforms to IP67 (IEC).



Stronger noise resistance

Significantly stronger against inverter light and other extraneous light as well as high frequency and electromagnetic noise.

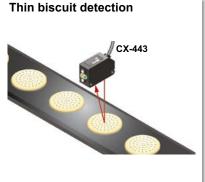


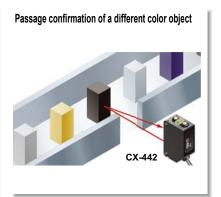
Strong even in cold environments

Stable performance can be maintained even in environments of -25 °C -13 °F.

APPLICATIONS







FUNCTIONS

BGS/FGS functions make even the most challenging settings possible!

The BGS function is best suited for the following case

Background not present

When object and background are separated



Background present

When object and background are close together When the object is glossy or uneven

The FGS function is best suited for the following case







Not affected if the background

color changes or someone



Unaffected by gloss, color or uneven surfaces when sensing objects present on a conveyor belt.

Caution: Please use the FGS function together with a conveyor or other background unit.

ORDER GUIDE

Туре	Appearance	Sensing range	Model No.		Emitting
			NPN output	PNP output	element
Adjustable range reflective		2 to 50 mm 0.079 to 1.969 in	CX-441	CX-441-P	- Red LED
			CX-443	CX-443-P	
		15 to 100 mm 0.591 to 3.937 in	CX-444	CX-444-P	
		20 to 300 mm 0.787 to 11.811 in	CX-442	CX-442-P	

NOTE: Mounting bracket is not supplied with the sensor. Please select from the range of optional sensor mounting brackets.

M8 plug-in connector type

M8 plug-in connector type is also available. When ordering this type, suffix "-Z" for the M8 connector type to the model No. (e.g.) M8 connector type of **CX-441-P** is "**CX-441-P-Z**".

Disclaimer

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