

NEW

OMRON

PROXIMITY SENSORS
E2B

A New World Standard Affordable Proximity Sensors

Perfect fit all the time
A complete lineup with reliable quality and reasonable price



realizing

All
372
Models

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LISTED

LISTED PENDING

A New World Standard Affordable

OMRON, a pioneer in Proximity Sensors, brings you the new E2B Proximity Sensor with exceptional pricing. A complete lineup designed to offer you with reliable quality and reasonable price.

Reliable
Quality
&
Reasonable
Price

OMRON's Unique Hybrid Method

Along with the technical and production know-how accumulated over years, OMRON's original "Hybrid Method" has been developed. The "Hybrid Method" makes it possible for OMRON to produce the new world standard proximity sensor with reliable quality and reasonable price.

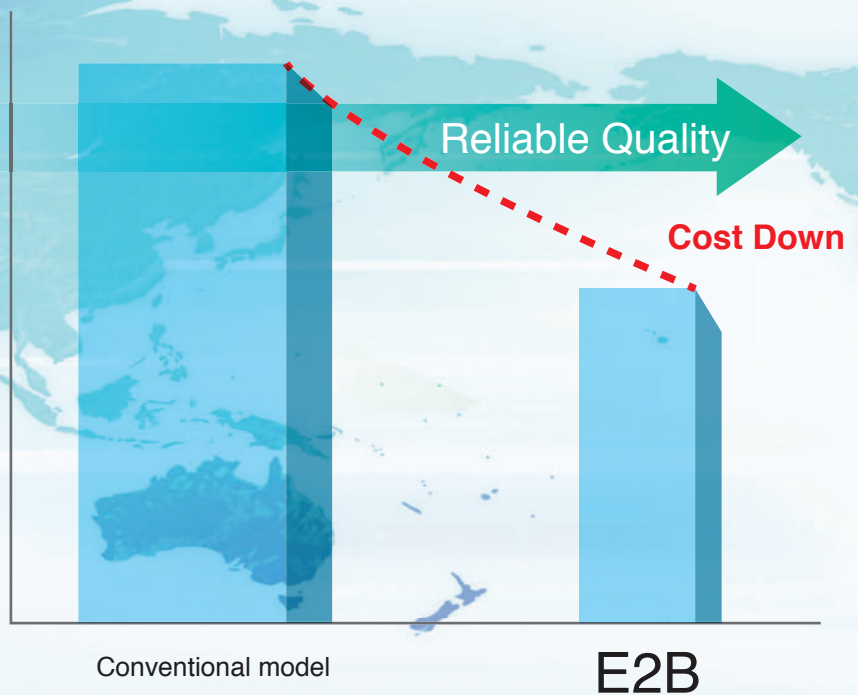
PAT.P

"Hybrid Method"

OMRON's unique "Hybrid Method" gives you the "Best Mix" advantage of two materials in Proximity sensor.

For the sensing part, which is the core of proximity sensor's sensing performance, tough epoxy resin is used.

For the body part, we reduce the production cost with the new "Hot-melt" process.



*In terms of performance, please refer to P4

OMRON, a pioneer in Proximity Sensors, has 50 years of factory automation experience.

In 1960, OMRON became the first company to develop the static proximity switch with transistor in the world. Since then OMRON has been a pioneer in the proximity sensor field, and proud of a 50-year history and its achievement. More than 200 million OMRON's proximity sensors have been shipped to customers within Japan as well as around the world.

The world's first static proximity switch!



ble Proximity Sensors

**“Double Distance” Close at Hand
Perfect Fit to Your Application Needs**

Wide Variation

With no less than 372 models in the family.
You can choose the one that exactly meets your needs.
E2B series can save cost & your time via single source.

All
372
Models

Output configuration:
PNP/NPN
Operation mode:
NO/NC

Normal/Long Barrel



Long barrel for easy adjustment after mounting

Shield/Non-shielded



Shield models for better noise immunity

Pre-wired/Connectors



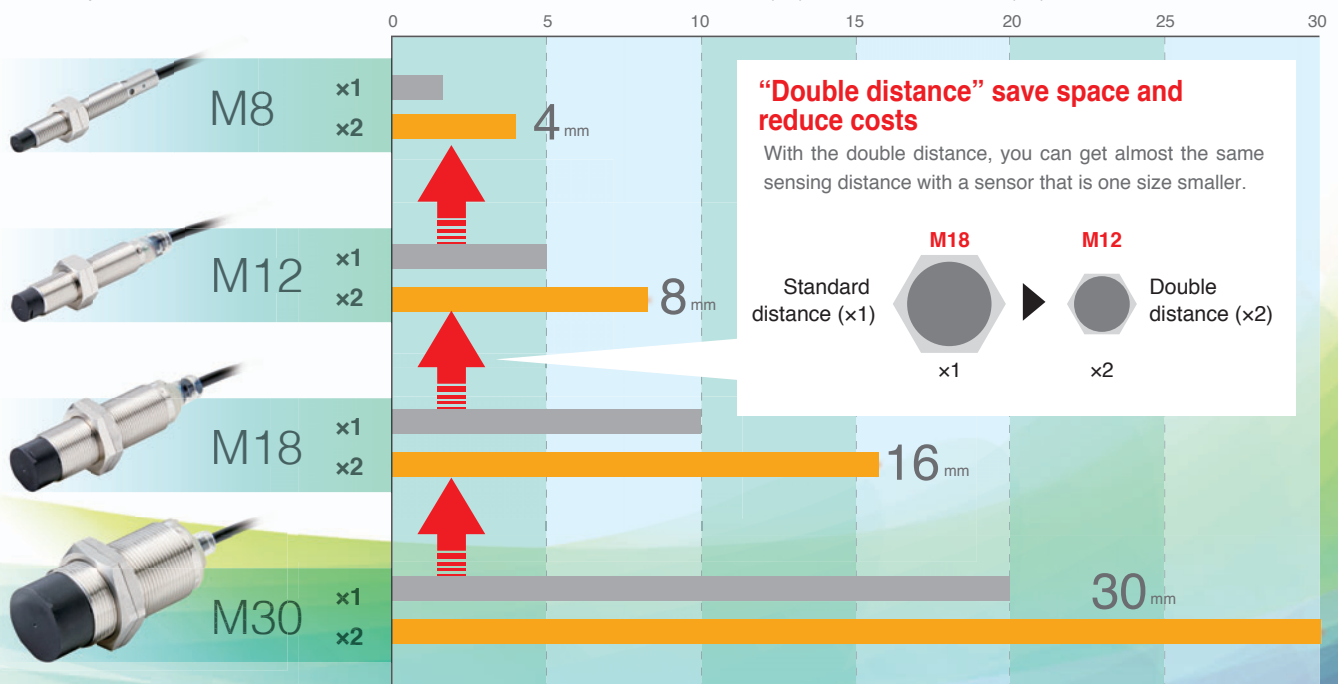
Connectors for easy maintenance

Wide range of size

Lineup of models from M8 to M30

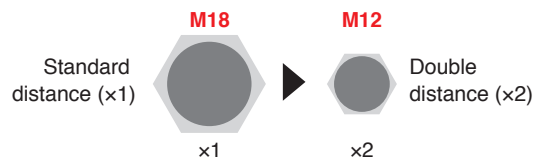
Sensing distance

Models available with standard distance (x1) and double distance (x2)



“Double distance” save space and reduce costs

With the double distance, you can get almost the same sensing distance with a sensor that is one size smaller.



Sensing distances of Non-shielded

Reliable Performance

Oil-mist environment resistant!







360-degree indication

Easy visibility for 360° even in dark locations so you can mount the sensor in any direction.



IP67

We have performed not only a specified test for rating the degree of protection (IP67) for catalogs, but also tests with oil mist which appears onsite. Simulation tests has been performed with attachment of high concentration of oil mist.

	New Standard		Tough Environment	
	E2B		E2E	
	Good		Very Good	
Oil/water resistance	IP67		IP69K	
IP	-25~70°C		-40 ~ 85°C (DC 3wire models)	
Ambient temperature range	DC 3wire models		-DC 3wire models -DC 2wire models -AC 2wire models -AC/DC 2wire models -Lineup of models from 3mm in diameter	
Other				
Typical applications				

The E2E that has superior resistance to environment such as oil resistance is also available.

*For detailed specification, please refer to the individual datasheet

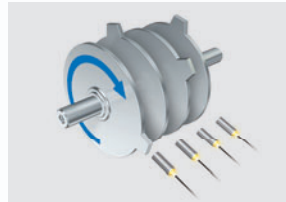
Application

Ideal for a Wide Range of Applications

Suitable sensors can be selected among the wide variety of sensors in order to satisfy your requirements. These sensors handle a wide range of applications, such like in machine tools and packaging.



Machine tools



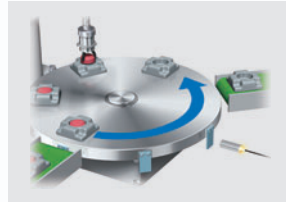
Cam detection



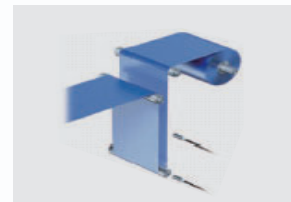
Position detection of cylinder



Packaging machines



Positioning on index tables



Tension control

Reliable Global Support

Our area network of 150 bases located in 40 countries around the world will support delivery of products to you and offer technical support. The sensors comply with various standards, and they can be mounted on machines for export without anxiety.



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Fast Deliveries

The sensors are produced at our factories in Shanghai. OMRON's distribution bases and many distributors will be able to deliver the products for you to meet the delivery schedule.



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