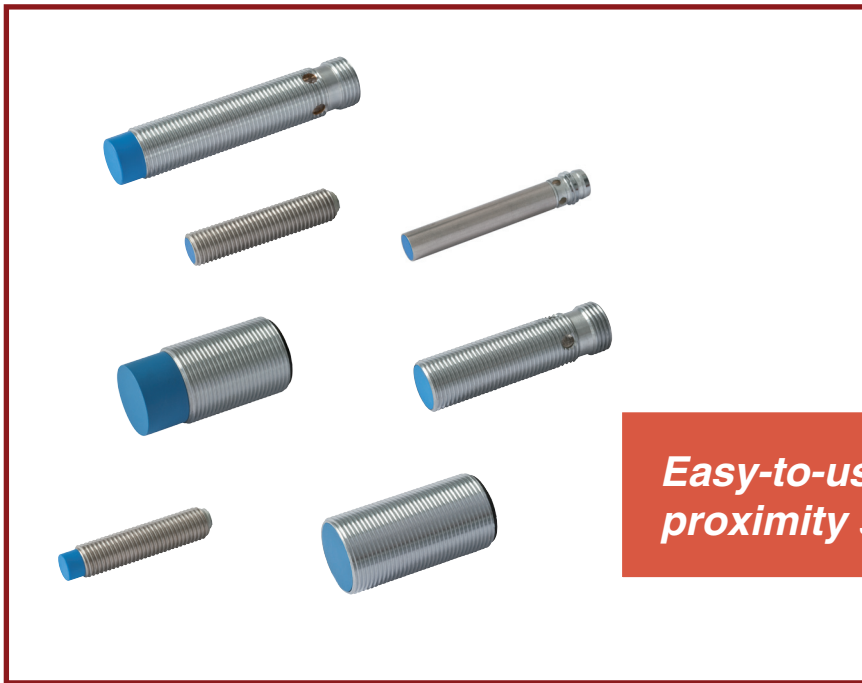




INDUCTIVE PROXIMITY
SENSOR

GX-S



*Easy-to-use, cylindrical
proximity sensors*

Variety

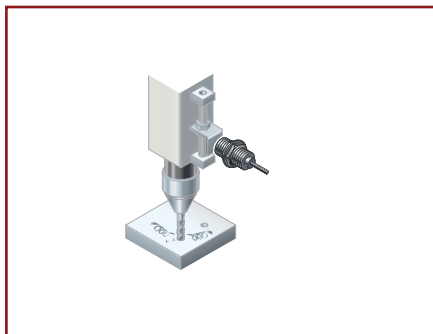
- Stainless steel or chrome plated brass housings
- PNP or NPN output
- Cylinder or thread types
- Connection or cable types

Cost effective

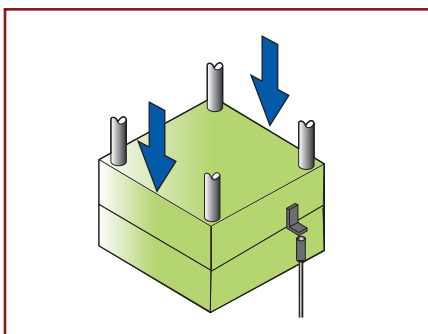
- With a widely used M8/M12/M18
- Cylindrical shape housing means quick and easy installation

Typical Applications

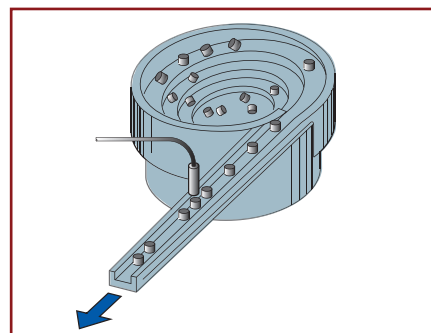
Controlling depth of drilling



Sensing the punch of a die



Counting parts



Technical Specifications

	GXS-E015-DV2-(P/)(J/Z/)	GXS-E020-DV2-(P/)(J/Z/)	GXS-E015-CV2-(P/)(J/Z/)	GXS-E020-CV2-(P/)(J/Z/)	GXS-N025-CV2-(P/)(J/Z/)	GXS-E020-BBCS-(P/)(Z/)	GXS-E020-BBC-(P/)(Z/)	GXS-N040-BBC-(P/)(Z/)	GXS-N040-BBCS-(P/)(Z/)
Mounting	Embedable	Embedable	Embedable	Embedable	Non-embedable	Embedable	Embedable	Non-embedable	Non-embedable
Sensor type	Cylinder type	Cylinder type	Thread type	Thread type	Thread type	Thread type	Thread type	Thread type	Thread type
(Ø in mm)	Ø 6.5	Ø 6.5	M8	M8	M8	M12	M12	M12	M12
Maximum operating distance	1.5mm +10%	2.0mm ±10%	1.5mm ±10%	2.0mm ±10%	2.5mm ±10%	2.0mm ±10%	2.0mm ±10%	4.0mm ±10%	4.0mm ±10%
Stable sensing range	0 - 1.2mm	0 - 1.6mm	0 - 1.2mm	0 - 1.6mm	0 - 2.0mm	0 - 1.6mm	0 - 1.6mm	0 - 3.2mm	0 - 3.2mm
Detection frequency	5kHz	3kHz	5kHz	3kHz	3kHz	3kHz	3kHz	2kHz	2kHz
Standard	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel
Detectable object	6.5x6.5x1mm	6.5x6.5x1mm	8.0x8.0x1mm	8.0x8.0x1mm	8.0x8.0x1mm	12.0x12.0x1mm	12.0x12.0x1mm	12.0x12.0x1mm	12.0x12.0x1mm
Supply voltage	10 to 30VDC ±20%								
Hysteresis	Max. 15% of maximum operating range								
Output transistor	Max. 200mA								
Current consumption	Max. 10mA								
Housing material	Stainless steel					Chrome plated brass			
Protection	IP67								
Connection	J=Connector M8 Z=Connector M12 =cable2m								

P=PNP =NPN J=Connector M8 Z=Connector M12=cable2m

	GXS-E040-BBC-(P/)(Z/)	GXS-E040-BBCS-(P/)(Z/)	GXS-E050-ABC-(P/)(Z/)	GXS-E050-ABCS-(P/)(Z/)	GXS-N080-ABC-(P/)(Z/)	GXS-N080-ABCS-(P/)(Z/)	GXS-Q080-ABC-(P/)(Z/)	GXS-Q080-ABCS-(P/)(Z/)
Mounting	Embedable	Embedable	Embedable	Embedable	Non-embedable	Non-embedable	Quasi-embedable	Quasi-embedable
Sensor type	Thread type	Thread type	Thread type	Thread type	Thread type	Thread type	Thread type	Thread type
(Ø in mm)	M12	M12	M18	M18	M18	M18	M18	M18
Maximum operating distance	4.0mm ±10%	4.0mm ±10%	5.0mm ±10%	5.0mm ±10%	8.0mm ±10%	8.0mm ±10%	8.0mm ±10%	8.0mm ±10%
Stable sensing range	0 - 3.2mm	0 - 3.2mm	0 - 4.0mm	0 - 4.0mm	0 - 5.4mm	0 - 5.4mm	0 - 5.4mm	0 - 5.4mm
Detection frequency	2.5kHz	2.5kHz	2kHz	2kHz	1.4kHz	1kHz	1kHz	1kHz
Standard	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel
Detectable object	12.0x12.0x1mm	12.0x12.0x1mm	18.0x18.0x1mm	18.0x18.0x1mm	24.0x24.0x1mm	24.0x24.0x1mm	24.0x24.0x1mm	24.0x24.0x1mm
Supply voltage	10 to 30VDC ±20%							
Hysteresis	Max. 15% of maximum operating range							
Output transistor	200mA							
Current consumption	Max. 10mA							
Housing material	Chrome plated brass							
Protection	IP67							
Connection	J=Connector M8 Z=Connector M12 =cable2m							

P=PNP =NPN J=Connector M8 Z=Connector M12=cable2m

Panasonic Electric Works Europe AG

Rudolf-Diesel-Ring 2, 83607 Holzkirchen
 Phone: +49(0)8024-648-0, Fax: +49(0)8024-648-111
 e-mail: info-eu@eu.pewg.panasonic.com
 www.panasonic-electric-works.com

All Information is subject to change without prior notice