

High Performance Sensors

9/11 - X5X - 03 series



HIGH PERFORMANCE — Sencon's High Performance Sensors are specially designed metal sensing devices which are ideal for highly demanding machine control applications in canmaking machines such as bodymakers, printers, spray machines and neckers.

RUGGED CONSTRUCTION — All Sencon High Performance Sensors are fully encapsulated in non-hygroscopic materials, and are highly resistant to shock, vibration, coolant oils and humidity. The 352 Series Sensor is encased in stainless steel threaded tube with an injection-molded sensing tip. The 251 Series Sensor is encased in all-metal housing with a plastic end sensing tip.

COMPLETE AND COMPATIBLE — All High Performance Sensors are equipped with both source (PNP) and sink (NPN) outputs, and are supplied complete with the required mounting nuts.

FOR APPLICATIONS WHERE CRISP RESPONSE AND REPEATABILITY ARE CRUCIAL

Ideal for highly demanding machine control applications such as bodymakers, printers, spray machines and neckers

BENEFITS

High performance
Rugged construction
Complete and compatible

Resistant to shock, vibration, coolant oils and humidity

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CASE STYLES

Case Style	Max. Length	Hex Nut across flats	Cylinder Ø	Image
Case Style G	3.60" 91.4 mm	1.13" 28.6 mm	1.00" 25.4 mm	
Case Style H	3.48" 88.5 mm	1.13" 28.6 mm	1.00" 25.4 mm	
Case Style J	2.81" 71.4 mm	1.03" 26.4 mm		

COMMON SPECIFICATIONS

On/Off Response Time	On <1.0 ms	Off <3.0 ms
Differential Travel	0.025" (0.6 mm) max.	
Operating Temperature Range	0°C to 82°C (-32°F to 180°F)	
Supply Voltage Range	10.5 to 40 VDC	

FEATURES

Thermally-stabilized
Wide operating temperature range
Optimized for aluminum detection
Heavy duty construction
Zero-Drift stability
Fast response time
Low differential travel
Static-safe, uninterrupted processing
Optional enhanced outputs

HIGH PERFORMANCE SENSOR SELECTION GUIDE

SENSING RANGE: WALL IRONED ALUMINUM	SENSING RANGE: WALL IRONED STEEL	INTEGRAL CABLE	QUICK DISCONNECT RELEASE	CASE STYLE	SENSOR
0.250 + 0.05" 6.35 mm +1.3 mm	0.300 + 0.05" 7.62 mm +1.3 mm	●		G	9-251-03
0.250 + 0.05" 6.35 mm +1.3 mm	0.300 + 0.05" 7.62 mm +1.3 mm		●	H	11-251-03
0.325 + 0.025" 8.25 mm +0.64 mm	0.450 + 0.025" 11.43 mm +.64 mm	●		J	9-352-03

CABLES FOR DC SENSORS

11 series sensors are not supplied with a cable. Cable QDC-6F-4S is 6' (2 m) with a straight connector. Other cable lengths and connector styles are available. Please consult your local sales office for details.

For more information on High Performance Sensors consult Sencon Technical Data Sheet Nos. 096-93523-XX, 096-25103-XX and 096-12475-XX.

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