

STALWART

Magnetic Pickups

Stalwart manufactures a complete line of passive variable reluctance sensors, commonly referred to as magnetic pickups. They are available in a wide range of sizes and output capabilities, and are designed to meet the demands of rugged industrial environments. These sensors produce a voltage output that can be used as a signal or to power another device, such as a tachometer.



Features

Precision machined stainless steel housing potted with high temperature epoxy

Designed for rugged environments – highly shock and vibration resistant, withstands high temperatures, fully sealed

CSA certified for hazardous locations

Applications

Providing power and speed sensing to other devices, such as Stalwart tachometers

Sensing RPM in industrial machinery, including motors, pumps, engines, turbines, and compressors

Process speed measurements in tough industrial environments

Custom Magnetic Pickups

In addition to the pickups covered in this data sheet, Stalwart offers other designs for specific application needs. Custom designs, even in low quantities, can be developed quickly, with specific electrical characteristics, lengths, housings, and terminations to support the needs of the application. Contact your authorized re-seller for more information and to obtain a quote.

Hazardous Locations Certifications

Most Stalwart pickups are CSA certified for use in hazardous locations. Please refer to individual specification sheets for specific information.

Models

Model	Type	Thread	Lengths	Pole Piece Dia.	CSA Certified
SP 101	Standard Sensitivity Signal	5/8-18 UNF-2A	-2, -4, -6	.106"	Yes
SP 102	High Sensitivity Signal	5/8-18 UNF-2A	-2, -3, -4, -6	.106"	Yes
SP 104	Power Output	5/8-18 UNF-2A	-3, -4, -6	.187"	Yes
SP 105	Power Output	5/8-18 UNF-2A	-4, -6	.250"	Yes
SP 134	Voltage Limited Output	5/8-18 UNF-2A	-2, -4, -6	.187"	Yes
SP 142	Ultra-High Sensitivity Signal	5/8-18 UNF-2A	-2, -3, -4	.094"	No

Each model number is offered in one or more standard lengths, denoted by the dash number. Dimensions for each standard length are given below. Contact your authorized re-seller for availability.

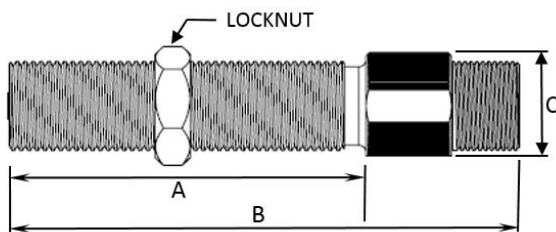
Specifications

Housing Material: 303 Stainless Steel

Pole Piece Material: 416 Stainless Steel

Connector: Mates with MS3106-10SL-4S

Operating Temperature: -65 to +225 F



	Dimension				Tolerance
	-2	-3	-4	-6	
A	1.750	2.500	4.000	6.000	± .031
B	2.850	3.600	5.100	7.100	± .093
C	0.750	0.750	0.750	0.750	± .062

For more information, to obtain a quote, or to place an order, contact your Authorized Distributor