

SPECTEC

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0007 • 0008 • 0009
 MAGNETIC VRS SPEED SENSOR
 LEAD WIRE & CONNECTOR TYPE
 3/8, M10

PRODUCT DESCRIPTION

SPECTEC's 3/8" size magnetic pickups are part of a family of modular, rugged, and high performance "passive" type speed sensors ranging in size from 3/16" to 3/4" Dia. They feature high output voltage and great configuration diversity to meet a wide range of applications.

SPECIFICATIONS

Coil Resistance, Inductance, & Output Voltage:

Type 1:	100 Ω	10 mH	25 Vpp
Type 2:	230 Ω	40 mH	70 Vpp
Type 3:	650 Ω	120 mH	85 Vpp
Type 4:	1100 Ω	250 mH	110 Vpp
Type 8: Dual output w/ B4 connector:	270/330Ω	40 mH	50 Vpp

(1000 IPS, 20-pitch gear at .005" gap, 100K Ohm load. Inductance and output voltage notations are maximum values.)

Magnetization: Standard: 900 GAUSS, TYP.
 Low Mag.: 250 GAUSS, TYP.
 (See note on page 2)

Temperature Range: 2T: -100° to 250°F (-73° to 120°C)
 3T: -150° to 330°F (-101° to 165°C)
 4HT: -250° to +400°F (-157° to +204°C)
 5HT: -450° to 450°F (-268° to 232°C)

Pole Type: Flush (FP), Sealed Flush (FPS), Extended (EP), & Chisel Points (CP) are available. (CP must be oriented parallel with gear tooth.)

Gear Pitch	Pole Type
≤36 DP (MODULE 0.7)	EP40, EP62, CP10
≤26 DP (MODULE 0.98)	EP93, FPS100
≤24 DP (MODULE 1.06)	FP130

Lead Wire: 2T: PVC, 22-24 AWG
 3T: TFE, 22 AWG
 4HT: TFE, 22 AWG
 5HT: TFE, 22 AWG

Construction: 300 Series Stainless Steel
 Solid Encapsulation
 All standard connectors have gold plated pins

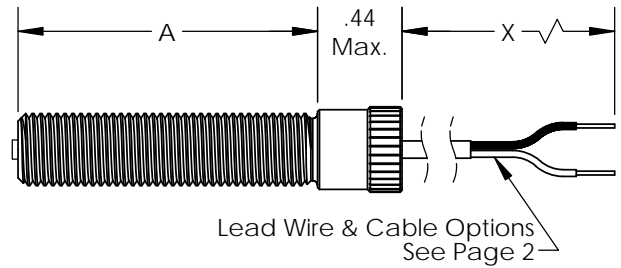
CE-Compliance: EN55011, EN50022-2

OPTIONS

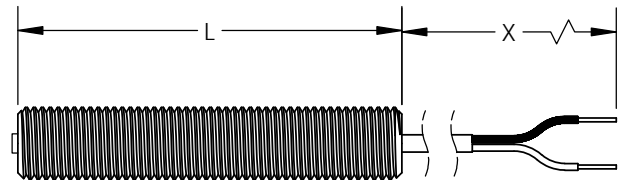
For different length, material of construction, configuration, special pole-piece types, thread size, hermetically sealed, precision custom magnetization, connector and/or cable termination, please contact factory.

For intrinsically safe versions refer to bulletin: IS40 & IS41

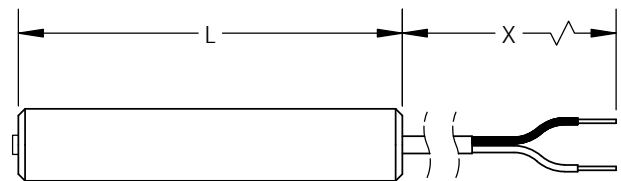
0007 3/8-24 UNF
 0007M M10 x 1.25



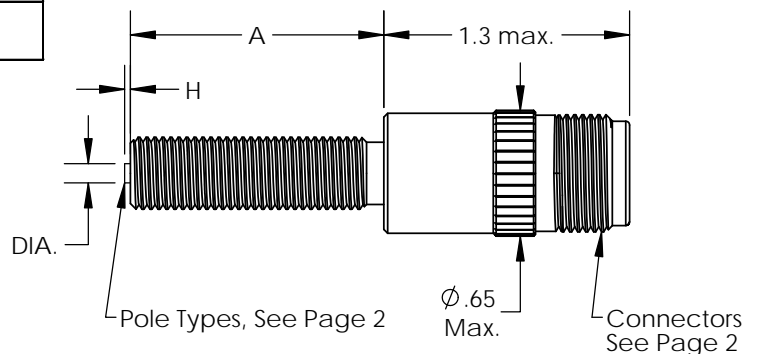
0008 3/8-24 UNF
 0008M M10 x 1.25
 0008M1 M10 x 1



0008S Ø3/8" (9.5 mm) Smooth Shell



0009 3/8-24 UNF
 0009M M10 x 1.25



ORDER INFORMATION

STYLE: OPTIONS: THREADS/DIA.:

0007 - 3/8-24 UNF

Thread Length(A):

1 - 0.8" (20mm)
 2 - 2.0" (51mm)
 3 - 2.5" (64mm)
 4 - 3.0" (76mm)
 6 - 4.0" (102mm)

Pole Type:

1 - FP130 Flush Pole (Ø.130)
 2 - EP93 Extended Pole (Ø.093 x .03 H)
 3 - EP62 Extended Pole (Ø.062 x .03 H)
 4 - EP40 Extended Pole (Ø.040 x .03 H)
 5 - FPS100 Flush Pole w/ S.S. Face (Ø.100)
 7 - CP10 Chisel Pole (Ø.130 x .01)

Lead Wire(X):

2 - 2' (0.6m) Single Leads (*Shield NOT connect to sensor shell, shield is intended to be connected to instrument panel ground.)
 7 - 3' (1.0m) Shielded Cable*
 9 - 10' (3.0m) Shielded Cable*

Temperature Range:

2 - 2T: -100° to +250°F (-73° to +120°C)
 3 - 3T: -150° to +330°F (-78° to +165°C)
 4 - 4HT: -250° to +400°F (-157° to +204°C)
 5 - 5HT: -450° to +450°F (-268° to +232°C)

Coil Resistance:

1 - 100 Ohm
 2 - 230 Ohm
 3 - 650 Ohm
 4 - 1100 Ohm
 8 - DUAL OUPUT: 270/330 Ohm

0008 - 3/8-24 UNF
 0008M - M10x1.25
 0008M1 - M10x1
 0008S - Ø3/8" Smooth Shell

Length(L):

0 - 1.0" (25mm)
 1 - 1.5" (38mm)
 2 - 2.0" (51mm)
 3 - 2.5" (64mm)
 4 - 3.0" (76mm)
 5 - 4.0" (102mm)
 6 - 5.0" (127mm)
 7 - 6.0" (152mm)

SAME AS ABOVE

0009 - 3/8-24 UNF
 0009M - M10x1.25

Thread Length(A):

1 - 1.3" (25mm)
 2 - 2.0" (38mm)
 3 - 3.0" (76mm)

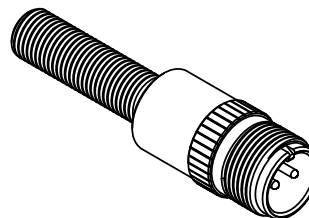
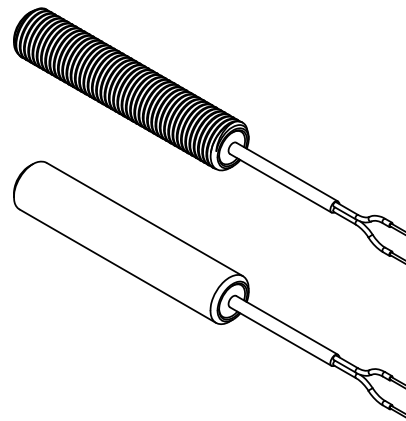
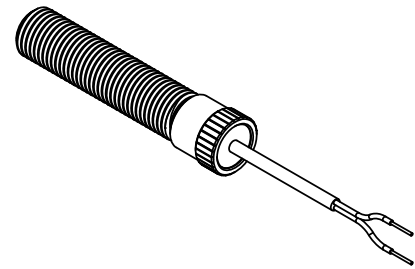
SAME AS ABOVE

Connector:

1 - MS: 2 Pin MS3106-10SL-4S (see Bulletin 3000)
 2 - B: 2 Pin MS3113-H8C-2P (see Bulletin 3001)
 4 - B4: 4 Pin MS3113-H8C-4P (see Bulletin 3001)
 6 - MD4: 4 Pin MICRO DIN (see Bulletin 3005)
 8 - BNC: 1 Pin Jack, Female Socket, Bayonet Lock

SAME AS ABOVE

NOTE: THE MAGNETIZATION LEVEL FOR LOW MAG. SENSORS IS DESIGNATED BY A SUFFIX TO THE P/N.
 I.E.: 0008-11111-300G, DESIGNIATNG A GAUSS LEVEL OF 300(±50) GAUSS.
 (STANDARD MAG. LEVEL WILL NOT HAVE A SUFFIX.)



Connector Pinouts

