

SPECTEC

THUNDERBIRD INTERNATIONAL CORPORATION
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 www.spectecensors.com

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	Call Factory	
Type 8:	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: 500-900 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)
 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, FPS
≤24 DP (MODULE 1.06)	FP130

Connector: See Page 2 for Configurations

Lead Wire:

2T: PVC, 22-24 AWG
 3T & 5HT: TFE, 22 AWG

Construction:

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

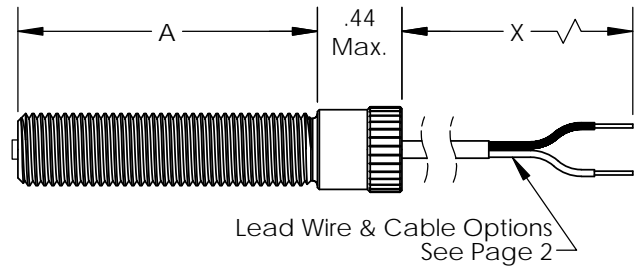
CE-Compliance: EN55011, EN50082-2

OPTIONS

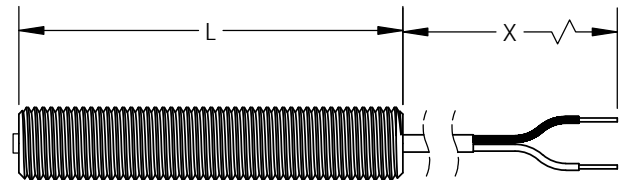
For different length, material of construction, configuration, special pole-piece types, thread size, hermetically sealed, precision custom magnetization, connector and/or cable termination, please contact factory.

For intrinsically safe versions refer to bulletin: IS40 & IS41

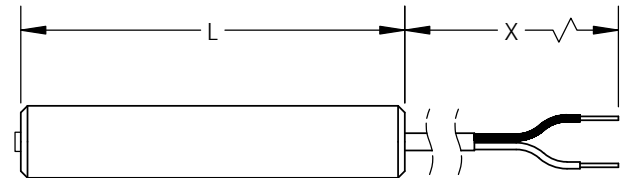
0007
 0007M 3/8-24 UNF
 M10 x 1.25



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



0008S Ø3/8" (9.5 mm) Smooth Shell



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

