

# SPECTEC

THUNDERBIRD INTERNATIONAL CORPORATION  
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0002  
 MAGNETIC VRS SPEED SENSOR  
 LEAD WIRE TYPE  
 3/16, M5

## PRODUCT DESCRIPTION

SPECTEC's 3/16" 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. This sensor is also available as a magnetic inductive pickup, per 0002MI, to detect magnet target wheels.

## SPECIFICATIONS

**Coil Resistance,** 100  $\Omega$ , 8 mH, 6 Vpp  
**Inductance,** (1000 IPS, 20-pitch gear at .005" gap,  
**Output Voltage:** 100K Ohm load. Inductance and output voltage notations are maximum values.)

**Magnetization:** 400 GAUSS, TYP.

**Temperature Range:** 3T: -150 to 330°F (-101 to 165°C)  
 5HT: -450 to 450°F (-268 to 232°C)

**Pole Piece:** Flush pole, .040 Dia.

**Lead Wire:** 30 AWG, TFE insulated

**Construction:** 303 Stainless steel housing  
 Solid epoxy encapsulation

**Application:** For gear pitch range of 48 DP or coarser

**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 sales.

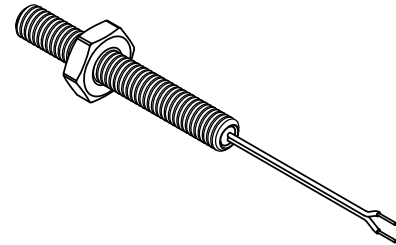
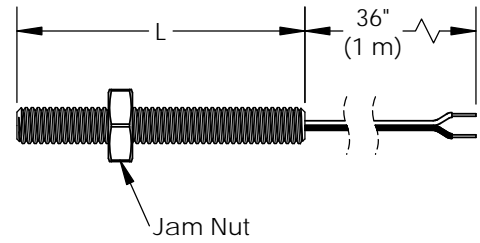
## ORDER INFORMATION

0002	-	<input type="checkbox"/>	<input type="checkbox"/>	10-32 UNF
0002M	-	<input type="checkbox"/>	<input type="checkbox"/>	M5 x 0.5
0002S	-	<input type="checkbox"/>	<input type="checkbox"/>	3/16 DIA. SMOOTH SHELL

**Thread Length (L):** 1 - 0.65" (17mm)  
 2 - 1.25" (32mm)  
 3 - 2.50" (64mm)

**Temperature Range:** 3 - -150° to 330°F (-101° to 165°C)  
 5 - -450° to 450°F (-268° to 232°C)

0002  
 0002M 10-32 UNF  
 M5 x 0.5



**CAUTION: DO NOT OVER TIGHTEN JAM NUT  
 MAX. TORQUE IS 0.5 FT•LBS (0.67 N•m)**

0002S Smooth shell, .188 Dia. max.

