PRODUCT DESCRIPTION

SPECTEC’s 1/2” 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
- Type 0: 50 Ω 9 mH 17 Vpp
- Type 1: 104 Ω 20 mH 30 Vpp
- Type 3: 650 Ω 160 mH 85 Vpp
- Type 5: 1800 Ω 800 mH 230 Vpp
- Type 6: 2300 Ω 1100 mH 260 Vpp

Inductance
- Type 1: 104 Ω 20 mH 30 Vpp
- Type 3: 650 Ω 160 mH 85 Vpp
- Type 5: 1800 Ω 800 mH 230 Vpp
- Type 6: 2300 Ω 1100 mH 260 Vpp

Output Voltage
- Type 3: 650 Ω 160 mH 85 Vpp
- Type 5: 1800 Ω 800 mH 230 Vpp
- Type 6: 2300 Ω 1100 mH 260 Vpp

Magnetization
- Standard: 900 GAUSS, TYP.
- Low Mag.: 250 GAUSS, TYP.

Temperature Range:
- 2T: -100 to 250°F (-73 to 120°C)
- 3T: -150 to 230°F (-101 to 165°C)
- 5HT: -450 to 450°F (-268 to 232°C)

Pole Type:
- Flush (FPx), Extended (EPx), & Chisel Points (CPx) are available. (Chisel must be Oriented parallel with gear tooth.)
- 0010X is shown with extended pole (EPx)

Connectors:
- See Page 2 for Configurations
- All have Gold Plated Contacts

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

See Page 2 for Wire & Cable Options

Construction:
- 300 Series Stainless Steel
- Solid Encapsulation

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 bulletins: IS40/41

2/12/2014, REV. 9
# ORDER INFORMATION

<table>
<thead>
<tr>
<th>STYLE</th>
<th>OPTIONS:</th>
<th>THREADS/DIA.:</th>
</tr>
</thead>
<tbody>
<tr>
<td>0011</td>
<td></td>
<td>1/2-20 UNF</td>
</tr>
<tr>
<td>0011M</td>
<td></td>
<td>M12 x 1.0</td>
</tr>
<tr>
<td>0011MD</td>
<td></td>
<td>M12 x 1.0 (MD4 Connector Only)</td>
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<table>
<thead>
<tr>
<th>Thread</th>
<th>Length (A,MD)</th>
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<tbody>
<tr>
<td>1 - 1.0&quot; (25mm)</td>
<td>16mm</td>
</tr>
<tr>
<td>2 - 2.0&quot; (51mm)</td>
<td>28mm</td>
</tr>
<tr>
<td>3 - 3.0&quot; (76mm)</td>
<td>40mm</td>
</tr>
<tr>
<td>4 - 4.0&quot; (101mm)</td>
<td>79mm</td>
</tr>
<tr>
<td>6 - 6.0&quot; (152mm)</td>
<td>130mm</td>
</tr>
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**Pole Type:**
1 - FP130  Flush Pole, Ø.130
2 - EP93  Extended Pole, Ø.093 x .03 H
5 - FPS130  Flush Pole, Ø.130 in Sealed S.S. Face
7 - CP10  Chisel Pole, Ø.130 x .01 Width
A - EP62  Extended Pole, Ø.062 x .03 H

**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)

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

**Coil Resistance:**
0 - 50 Ohm
1 - 140 Ohm
3 - 650 Ohm
5 - 1800 Ohm
6 - 2300 Ohm

**Housing Length (L):**
2 - 1.0" (25mm)
3 - 1.25" (32mm)
4 - 1.50" (38mm)
5 - 2.00" (51mm) [1.80"(46mm) for 0010S ONLY]
6 - 2.50" (64mm)
7 - 4.00" (101mm)
8 - 6.00" (152mm)

**Lead Wire (X):**
2 - 2' (.6m) Single Leads
7 - 3' (1m) Shielded Cable
9 - 10' (3m) Shielded Cable

**Note:** For Shielded Cable, shield is not connected to sensor shell, and is intended to be connected to the instrument panel ground.

**Thread Length (A):**
1 - 1.3" (33mm)
2 - 2.50" (64mm)

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**NOTE:** The magnetization level for low mag. sensors is designated by a suffix to the P/N. I.E.: 0011-11111-300G, designating a Gauss level of 300(±50) Gauss. (Standard mag. level will not have a suffix.)