PRODUCT DESCRIPTION

SPECTEC’s 1/4” 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

<table>
<thead>
<tr>
<th>Type 1</th>
<th>Type 2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Coil Resistance:</strong></td>
<td></td>
</tr>
<tr>
<td>100 Ω</td>
<td>160 Ω</td>
</tr>
<tr>
<td><strong>Inductance:</strong></td>
<td></td>
</tr>
<tr>
<td>10 mH</td>
<td>14 mH</td>
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<tr>
<td><strong>Output Voltage:</strong> (All Typical)</td>
<td></td>
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<tr>
<td>6 Vpp</td>
<td>12 Vpp</td>
</tr>
</tbody>
</table>

(When tested at 1000 IPS against 20 pitch, 30 tooth gear at .005” gap, 100K Ohm load. Inductance and output voltage notations are max values.)

| Magnetization: | Standard: 500 GAUSS, TYP. | Low Mag.: (See note on page 2) |

| 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”Ø | Extended Pole: .040”Ø x .02 Height |
| (0005 Shown with Extended Pole) |          |

| Lead Wire: | TFE: 26 to 28 AWG |

| 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, custom connector and/or cable termination, please contact factory.
### ORDER INFORMATION

**Style:**
- 0004
- 0004B
- 0004M
- 0004H
- 0004HB
- 0004HM

**Options:**
- [ ]
- [ ]
- [ ]
- [ ]
- [ ]
- [ ]

**Threads/Dia.:**
- 1/4-40 UNS
- 1/4-28 UNF
- M6x0.75
- 1/4-40 UNS
- 1/4-28 UNF
- M6x0.75

**Thread Length(A):**
1. 0.75” (19mm)
2. 1.5” (38mm)
3. 2.0” (50mm)
4. 3.0” (75mm)

**Pole:**
1. Flush Pole
2. Extended Pole (Ø .040 x .020 H)

**Lead Wire(X):**
2. 2’ (0.6m) Single Leads, 26 to 28 AWG
7. 3’ (1.0m) Shielded Cable, 28 AWG*
9. 10’ (3.0m) Shielded Cable, 28 AWG*
A. 1’ (0.3m) 26 AWG Lead sw/ 10” Fiberglass & Silicone Protector

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

**Coil 1 Resistance:**
1. 100 Ohm
2. 160 Ohm

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**0004A**
- [ ]
- [ ]
- [ ]
- [ ]

**0004AB**
- [ ]
- [ ]

**0004AM**
- [ ]
- [ ]

**0004AM8**
- [ ]
- [ ]

**0004S**
- [ ]
- [ ]

**0004SB**
- [ ]
- [ ]

**Housing Length(A):**
1. 1.0” (25mm)
2. 1.5” (38mm)
3. 2.0” (50mm)
4. 3.0” (75mm)

**SAME AS 0004**

**0005**
- [ ]
- [ ]

**0005B**
- [ ]
- [ ]

**0005M**
- [ ]
- [ ]

**Thread Length(A):**
1. 1.0” (25mm)
2. 1.5” (38mm)

**SAME AS 0004**

**Connector:**
1. MS: 2 Pin MS3102-10S-4P (see Bulletin 3000)
2. B: 2 Pin MS3113-H8C-2P (see Bulletin 3001)
6. MD4: 4 Pin MICRO DIN (see Bulletin 3005)

**SAME AS 0004**

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**Note:** The magnetization level for special or low mag. sensors is designated as a suffix to the P/N. i.e: 0004-11111-300G Designed a Gauss level of 300(±50) (Standard mag. level will not have a suffix.)

*Shield NOT connect to sensor shell, shield is intended to be connect to instrument*