Oil Seal - Type 1312 & 1314

When a bearing is not properly lubricated, premature failure can occur. This failure can prove to be costly. This design has proven successful in measuring various types of bearing temperatures. The sensor provides quick response alerting the operator to an overheated condition. The O-ring prevents lubricants from contaminating components in the head and designed not to swell even when in continuous contact with oils and synthetic lubricants. This feature allows the spring to maintain positive pressure against the bearing housing and assures good temperature readings. This sensor is available with 316SS sheath and 3/16” OD. Cast aluminum head is standard. Maximum temperature 400°F, maximum pressure 50 psi.

To order: Indicate the code letter or value for each requirement.

<table>
<thead>
<tr>
<th>Head Type</th>
<th>Type</th>
<th>Calibration</th>
<th>OD</th>
<th>Junction</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>316</td>
<td>3/16</td>
<td></td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>HEAD TYPE</th>
<th>Type</th>
<th>Sensor Calibration</th>
<th>Sensor Junction</th>
<th>OPTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>No Head</td>
<td>J Iron Constantan®</td>
<td>G Grounded</td>
<td>FW Four Wire</td>
</tr>
<tr>
<td>CA</td>
<td>Cast Aluminum</td>
<td>K Chromel® Alumel®</td>
<td>U Ungrounded</td>
<td>GA Class A</td>
</tr>
<tr>
<td>CI</td>
<td>Cast Iron</td>
<td>T Copper Constantan®</td>
<td>DG Dual Grounded</td>
<td>RTD Only</td>
</tr>
<tr>
<td>CSS</td>
<td>Cast Stainless Steel</td>
<td>E Chromel® Constantan®</td>
<td>DU Dual Ungrounded</td>
<td></td>
</tr>
<tr>
<td>PPS</td>
<td>Polypropylene Sanitary</td>
<td>N Nicrosil® Nisil®</td>
<td>S Single RTD</td>
<td></td>
</tr>
<tr>
<td>FTA</td>
<td>Flip Top Aluminum</td>
<td>PO Low Temp RTD to 500°F</td>
<td>D Dual RTD</td>
<td></td>
</tr>
<tr>
<td>FTP</td>
<td>Flip Top Poly (white)</td>
<td>PH High Temp RTD to 900°F</td>
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<td></td>
</tr>
<tr>
<td>EPA</td>
<td>Explosion Proof Aluminum</td>
<td>PM Heavy Duty RTD to 900°F</td>
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<tr>
<td>EPAA</td>
<td>Explosion Proof Aluminum ATEX</td>
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<td>EHA</td>
<td>Explosion Proof Aluminum</td>
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<tr>
<td>EHI</td>
<td>Explosion Proof Iron</td>
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</tbody>
</table>
Heavy Duty Industrial Magnet Thermocouple - Type 1280

This rugged magnet thermocouple provides hands-free surface measurement of tanks, bearing housings, pipes and air ducts. The 25-pound minimum pull magnet allows a strong attachment to rust-free and clean surfaces and may be used for temperatures up to 950°F. A standard bell spring provides stress relief for all lead wire constructions. The optional handle allows proper positioning of the magnet to the measuring surface.

To order: Indicate the code letter or value for each requirement.

<table>
<thead>
<tr>
<th>Sensor Type</th>
<th>Calibration OD</th>
<th>Junction</th>
<th>Sheath Length</th>
<th>Sheath Material</th>
<th>Lead Length</th>
<th>Lead Insulation</th>
<th>Termination</th>
<th>Options</th>
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</thead>
<tbody>
<tr>
<td>1280</td>
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</tbody>
</table>

**SENSOR**

Sensor Calibration
- J Iron Constantan®
- K Chromel® Alumel®

Sensor OD
- 18 1/8”
- 316 3/16”
- 14 1/4”

Sensor Junction
- G Grounded
- U Ungrounded
- DG Dual Grounded
- DU Dual Ungrounded

Sensor Sheath Material
- R 316SS

**LEAD INSULATION**

T Teflon® 20 ga. solid
M T Multi Strand (flexible) Teflon® 20 ga.

Termination
- 1 Bare Ends
- 2 Large Plug
- 3 Miniature Plug
- 8 Dual Large Plug
- 11 Compensated Spade Lugs

Options
- A Armor (Stainless Steel)
- AP Armor with PVC Jacket
- HDL Handle

Heavy Duty Industrial Magnet RTD - Type 1290

When the application requires a temporary RTD surface measurement or has a difficult mounting position - this assembly with a heavy duty magnet could be the solution. Sensor can be easily replaced without removing the magnet or holder and a variety of sensor options are available.

To order: Indicate the code letter or value for each requirement.

<table>
<thead>
<tr>
<th>Sensor Type</th>
<th>RTD Type OD</th>
<th>Junction</th>
<th>Sheath Length</th>
<th>Sheath Material</th>
<th>Lead Length</th>
<th>Lead Insulation</th>
<th>Termination</th>
<th>Options</th>
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</thead>
<tbody>
<tr>
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<td>14</td>
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<td>2.25”</td>
<td>R</td>
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</tbody>
</table>

**SENSOR**

Sensor Type
- PO Low Temp RTD to 500°F
- PH High Temp RTD to 900°F
- PM Heavy Duty RTD to 900°F

Sensor OD
- 14 1/4”

Sensor Junction
- S Single RTD
- D Dual RTD

Sensor Sheath Material
- R 316SS

**LEAD INSULATION**

MF Multi Strand (flexible) Fiberglass 22 ga.
MT Multi Strand (flexible) Teflon® 22 ga.

Termination
- 1 Bare Ends
- 11 Spade Lugs
- 12 Large Three Pin Plug
- 14 Mini Three Pin Plug

Options
- A Armor (Stainless Steel)
- AP Armor with PVC Jacket
- SB Stainless Steel Overbraid Leads