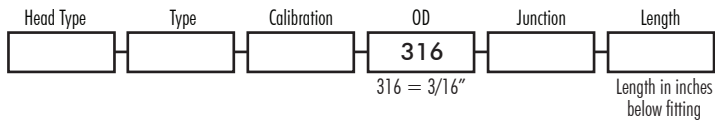


Oil Seal - Type 1312 & 1314

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.



HEAD TYPE

- O No Head
- CA Cast Aluminum
- CI Cast Iron
- CSS Cast Stainless Steel
- PPS Polypropylene Sanitary
- FTA Flip Top Aluminum
- FTP Flip Top Poly (white)
- EPA Explosion Proof Aluminum
- EPAA Explosion Proof Aluminum Atex
- EPS Explosion Proof Stainless Steel
- EHA Explosion Proof Aluminum
- EHI Explosion Proof Iron

SENSOR

- Type**
- 1312 1/2" NPT Process
 - 1314 1/4" NPT Process

Sensor Calibration

- J Iron Constantan®
- K Chromel® Alumel®
- T Copper Constantan®
- E Chromel® Constantan®
- N Nicrosil® Nisil®
- PO Low Temp RTD to 500° F
- PH High Temp RTD to 900° F
- PM Heavy Duty RTD to 900° F

Standard RTD is a three-wire 100 ohm Platinum/.00385 Alpha. For higher temperature ranges - consult factory. For special limits on thermocouples, repeat calibration code, i.e. JJ.

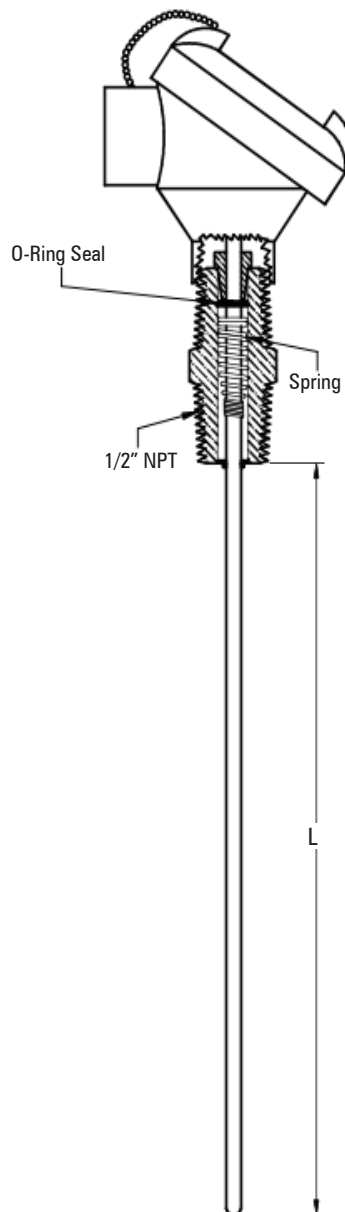
Sensor Junction

- G Grounded
- U Ungrounded
- DG Dual Grounded
- DU Dual Ungrounded
- S Single RTD
- D Dual RTD

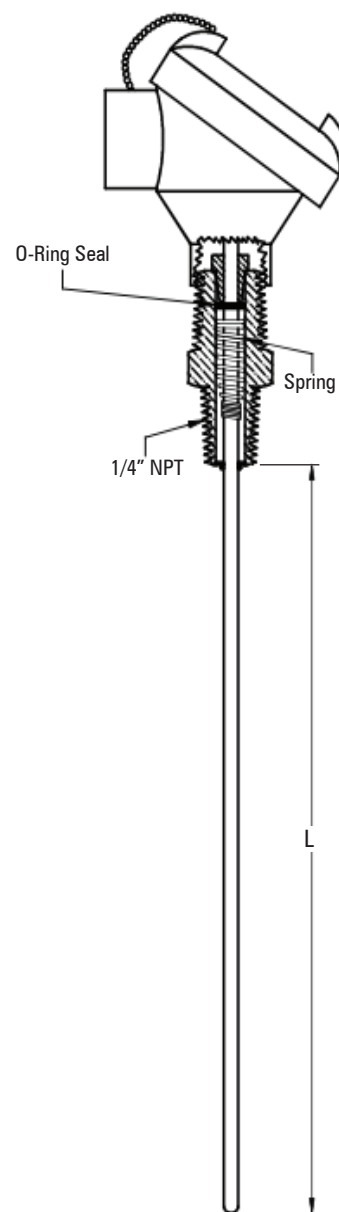
OPTIONS

- FW Four Wire
- GA Class A
- RTD Only

TYPE 1312



TYPE 1314



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.

Sensor Type	Calibration	OD	Junction	Sheath Length (inches)	Sheath Material	Lead Length (inches)	Lead Insulation	Termination	Options
1280					R				

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
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LEAD INSULATION

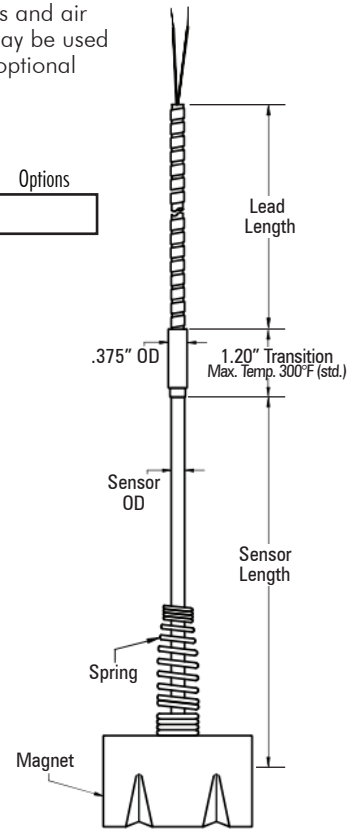
T	Teflon® 20 ga. solid
M T	Multi Strand (flexible) Teflon® 20 ga.

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.

Sensor Type	RTD Type	OD	Junction	Sheath Length (inches)	Sheath Material	Lead Length (inches)	Lead Insulation	Termination	Options
1290		14		2.25"	R				

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"
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Sensor Junction

S	Single RTD
D	Dual RTD

Sensor Sheath Material

R	316SS
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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 Overbraided Leads

