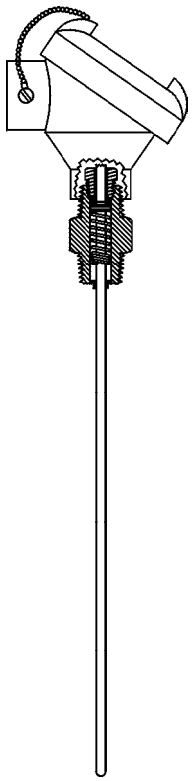
Oil Seal - Type 1312 & 1314



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	Type	Calibration	OD	Junction	Length
			316		
			316 = 3/16"		Length in inches below fitting

HEAD TYPE

0	No Head
CA	Cast Aluminum
CI	Cast Iron
CSS	Cast Stainless Steel
LCA	Large Cast Aluminum
PP	Polypropylene (Black)
PPS	Polypropylene Sanitary
FTA	Flip Top Aluminum
FTP	Flip Top Poly (white)
EPA	Explosion Proof Aluminum
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 1100° F

Standard RTD is a three-wire 100 ohm Platinum/ .00385 Alpha. For special limits on thermocouples, repeat calibration code, i.e. JJ. For Smart Stuff sensors use S prefix in front of calibration code.

Sensor Junction

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

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 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	Sheath Material	Lead Length*	Lead Insulation	Termination	Options
1280		316		8	R	36			
				(inches)		(inches)			

SENSOR

Sensor Calibration

J	Iron Constantan®
K	Chromel® Alumel®

Sensor OD

316	3/16"

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
9	Dual Large Jack
11	Compensated Spade Lugs

Options

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

Example of order code:
1280-J-**316**-G-**8**-**R**-**36***-T-1-HDL
*Maximum recommended lead length

Note: Bold order code are fixed in the order blocks